IN-HOUSE SERVICES

POWER INTEGRATION
FIBER INTEGRATION
CONTRACT MANUFACTURING
ENGINEERING & DESIGN
FABRICATION
PROTOTYPING
ASSEMBLY & PACKAGING
LOGISTICS
PROJECT MANAGEMENT
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COMPANY PROFILE

- We are a U.S.A. based manufacturer.
- We are a privately held company, only beholden to our customers who depend on the manufacturing capability, reliability and quality from American Products LLC. This relationship plus the ability to invest wisely in people, skill sets and equipment, is the cornerstone of our success. We believe in investing in the future through acquisitions and organic growth, which has allowed us to expand our manufacturing capabilities.

ISO 9001:2015 ENGINEERING & MANUFACTURING

Our design team, we believe, is second to none in innovation and practicality born from experience. American Products designs and manufactures industry leading, thermally managed, outside plant equipment enclosures.

We adhere to LEAN manufacturing principles, along with a highly trained workforce and latest generation equipment to manufacture enclosures that meet or exceed industry standards. We offer products created from aluminum, stainless steel and galvanized steel. All our powder coat painting is performed per GR-487 standards.

MISSION

Our team is invested in delivering designed solutions by being curious, vigilant, and aware of the future. Our employees and customers are our family. We strive to live honestly, openly, without fear, and with an uncompromising devotion to quality.

VISION

To be the clear leader in our pursuit of providing the highest quality designed solutions made in the USA.

QUALITY POLICY

It is the policy of American Products LLC to understand and meet customer requirements. This will be accomplished by working as a team and striving for continual improvement in all areas of the organization.

OUR COMMITMENT TO YOU

“Coming together is a beginning; keeping together is progress; working together is success.” Henry Ford

Our commitment to on time delivery, quality and Customer Relations has resulted in our growth and continuous improvements to our capabilities. To us, no one is more important than you, our customer.
# PRODUCT SELECTOR

## SERIES

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* *Designed to Specification

## APPLICATION

### MOUNTING

| Wall Bracket | X       |       |       |       |       |       |       |       |       |       |       |       |       |
| Pole Bracket | X       |       |       |       |       |       |       |       |       |       |       |       |       |
| Ground Plinth | X        | X     |       |       |       |       |       |       |       |       |       |       |       |
| Battery Box  | X       | X     |       |       |       |       |       |       |       |       |       |       |       |
| Below Grade Vault |         |       |       |       |       |       |       |       |       |       |       |       |       |
| Joining Collar | X       |       |       |       |       |       |       |       |       |       |       |       |       |
| Addon Box    | X       |       |       |       |       |       |       |       |       |       |       |       |       |

## EXTRAS

### CLIMATE

| Heat Exchanger | X       | X     | X     | X     | X     | X     | X     | X     | X     | X     | X     | X     | X     |
| 1k BTU A/C | X       | X     | X     | X     |       |       |       |       |       |       |       |       |       |
| 6k BTU HVAC | X       | X     | X     | X     | X     |       |       |       |       |       |       |       |       |
| 12k BTU HVAC | X       | X     | X     | X     |       |       |       |       |       |       |       |       |       |
| 1 - 5 Ton HVAC | X       |       |       |       |       |       |       |       |       |       |       |       |       |
| Heater | X       | X     | X     | X     | X     |       |       |       |       |       |       |       |       |

## EXTRA CLIMATE

| Document Holder | AM-DH |       |       |       |       |       |       |       |       |       |       |       |       |
| DC Power | X       | X     | X     | X     | X     | X     | X     | X     | X     | X     | X     | X     | X     |
| Door Alarm | X       | X     | X     | X     | X     | X     | X     | X     | X     | X     | X     | X     | X     |
| Load Center | X       | X     | X     | X     | X     | X     | X     | X     | X     | X     | X     | X     | X     |
| LED Lighting | X       | X     | X     | X     | X     | X     | X     | X     | X     | X     | X     | X     | X     |

---

* *Designed to Specification

**www.amprod.us**
## ENCLOSURES AT-A-GLANCE

### AP FORT™ - p13

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### AP MINIFORT™ - p19

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### AP FREEDOM™ - p31

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<td>AM68F-3036-36RU</td>
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<td>36</td>
<td>TBD</td>
</tr>
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### AP HERITAGE™ - p37

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<th>RECOMMENDED HVAC</th>
<th>NEMA</th>
<th>RU</th>
<th>ESTIMATED WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>AM32P-6036-32RU</td>
<td>32” x 60” x 36”</td>
<td>Up to 2000 BTU</td>
<td>3R</td>
<td>32</td>
<td>300 lbs</td>
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<td>Up to 10000 BTU</td>
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### AP REVOLUTION™ - p43

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### AP PATRIOT™ - p49

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<th>ESTIMATED WEIGHT</th>
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<tr>
<td>AM32P-4036-16/32RU</td>
<td>48” x 40” x 36”</td>
<td>Up to 2000 BTU</td>
<td>3R</td>
<td>32</td>
<td>290 lbs</td>
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<td>48” x 40” x 42”</td>
<td>Up to 2000 BTU</td>
<td>3R</td>
<td>32</td>
<td>310 lbs</td>
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<tr>
<td>AM47P-4036-24/48RU</td>
<td>63” x 40” x 36”</td>
<td>Up to 10000 BTU</td>
<td>3R</td>
<td>48</td>
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<td>AM47P-4042-24/48RU</td>
<td>63” x 40” x 42”</td>
<td>Up to 10000 BTU</td>
<td>3R</td>
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<td>AM58P-4036-30/60RU</td>
<td>74” x 40” x 36”</td>
<td>Up to 10000 BTU</td>
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### AP MINUTEMAN™ - p55

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<th>EST. WEIGHT (GALV)</th>
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<td>AM-122220-MTR</td>
<td>12” x 22” x 19”</td>
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<td>AM-122223-MTR</td>
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<td>AM-302220-MTR</td>
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<td>AM-462220-MTR</td>
<td>46” x 22” x 19”</td>
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<td>AM-462223-MTR</td>
<td>46” x 22” x 23”</td>
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<td>AM-602220-MTR</td>
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### AP UTILITY™ - p57

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<th>PART</th>
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<th>DOOR LATCH</th>
<th>GLAND PLATES</th>
<th>NEMA</th>
<th>ESTIMATED WEIGHT</th>
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<tbody>
<tr>
<td>AMW-14126-x</td>
<td>14” x 12” x 6”</td>
<td>1x 1/4 Turn Pawl</td>
<td>1</td>
<td>4</td>
<td>14 lbs</td>
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<tr>
<td>AMW-24206-x</td>
<td>24” x 20” x 6”</td>
<td>2x 1/4 Turn Pawl</td>
<td>1</td>
<td>4</td>
<td>34 lbs</td>
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<tr>
<td>AMW-242410-x</td>
<td>24” x 24” x 10”</td>
<td>2x 1/4 Turn Pawl</td>
<td>1</td>
<td>4</td>
<td>47 lbs</td>
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<tr>
<td>AMW-362410-x</td>
<td>36” x 24” x 10”</td>
<td>3-Point Latch</td>
<td>1</td>
<td>4</td>
<td>66 lbs</td>
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<tr>
<td>AMW-322412-x</td>
<td>32” x 24” x 12”</td>
<td>3-Point Latch</td>
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<td>48” x 30” x 12”</td>
<td>3 Point Latch</td>
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### AP LIBERTY® - p69

### AP NAUTILUS® - p75

### AP UNITY™ - p81

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<th>PART</th>
<th>(HxWxD)</th>
<th>MOUNTING</th>
<th>DOORS</th>
<th>RACKING</th>
<th>SC PORT CAP.</th>
<th>NEMA</th>
<th>RU</th>
<th>EST. WEIGHT</th>
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</thead>
<tbody>
<tr>
<td>AML28</td>
<td>28” x 18” x 18”</td>
<td>Pole / Pad</td>
<td>2</td>
<td>19” Vert</td>
<td>Up to 288</td>
<td>4</td>
<td>7</td>
<td>110 lbs</td>
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<tr>
<td>AML30</td>
<td>30” x 30” x 18”</td>
<td>Pad</td>
<td>2</td>
<td>19” / 23” Horiz</td>
<td>Up to 288</td>
<td>4</td>
<td>14</td>
<td>120 lbs</td>
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<tr>
<td>AML31</td>
<td>31” x 30” x 28”</td>
<td>Pad</td>
<td>3</td>
<td>19” / 23” Horiz</td>
<td>Up to 864</td>
<td>4</td>
<td>39</td>
<td>160 lbs</td>
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<tr>
<td>AML34</td>
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<td>Pole / Pad</td>
<td>2</td>
<td>19” Horiz</td>
<td>Up to 432</td>
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<td>17</td>
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<td>AML36</td>
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<td>Pad</td>
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<td>19” / 23” Horiz</td>
<td>Up to 432</td>
<td>4</td>
<td>19</td>
<td>130 lbs</td>
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<td>AML42</td>
<td>42” x 30” x 18”</td>
<td>Pad</td>
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<td>19” / 23” Horiz</td>
<td>Up to 576</td>
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<td>AMLBG (Nautilus)</td>
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<td>Pole / Pad</td>
<td>2</td>
<td>19” Horiz</td>
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<td>4</td>
<td>6</td>
<td>100 / 145 lbs</td>
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<table>
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<tr>
<th>PART</th>
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<th>ENV.</th>
<th>SPLIT CAP.</th>
<th>SC PORT CAP.</th>
<th>RU</th>
<th>EST. WEIGHT</th>
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<td>AM-17125-(x)SCA</td>
<td>17.36” x 12.5” x 5.29”</td>
<td>Wall Only</td>
<td>Outdoor</td>
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<td>48</td>
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<td>AM-15125-PL</td>
<td>6” x 12.5” x 4.685”</td>
<td>Plinth</td>
<td>Outdoor</td>
<td>N/A</td>
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### PART SPECIFICATIONS AT-A-GLANCE

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<th>APPLICATIONS</th>
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<td><strong>Splice Capacity</strong></td>
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<tr>
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<td>• Basements</td>
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</tr>
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<td>• Premises Locations</td>
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</tr>
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<td></td>
<td>• Campuses</td>
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<tr>
<td></td>
<td>• In-building</td>
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<td>• Premises Locations</td>
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<td>• Campuses</td>
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<td>• In-building</td>
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<td><strong>Splice Capacity</strong></td>
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<td>• Premises Locations</td>
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<td>• Campuses</td>
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<td><strong>Adapter Capacity</strong></td>
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<td></td>
<td><strong>Adapter Capacity</strong></td>
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<td></td>
<td><strong>Size (HxWxD)</strong></td>
<td>7&quot;x17&quot;x11&quot;</td>
</tr>
<tr>
<td></td>
<td><strong>Plate Capacity</strong></td>
<td>12</td>
</tr>
<tr>
<td></td>
<td><strong>Adapter Capacity</strong></td>
<td>96</td>
</tr>
<tr>
<td></td>
<td><strong>Splice Capacity</strong></td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>• Datacenters</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Headend</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• FTTH Deployments</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>AM-80-5B</th>
<th><strong>Installation Type</strong></th>
<th>Indoor</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Mounting</strong></td>
<td>4 RU (19&quot;/23&quot;)</td>
</tr>
<tr>
<td></td>
<td><strong>Size (HxWxD)</strong></td>
<td>7&quot;x17&quot;x11&quot;</td>
</tr>
<tr>
<td></td>
<td><strong>Plate Capacity</strong></td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td><strong>Adapter Capacity</strong></td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td><strong>Splice Capacity</strong></td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>• Datacenters</td>
<td></td>
</tr>
<tr>
<td></td>
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</tr>
<tr>
<td></td>
<td>• FTTH Deployments</td>
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</table>

<table>
<thead>
<tr>
<th>AM-804</th>
<th><strong>Installation Type</strong></th>
<th>Indoor</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Mounting</strong></td>
<td>2 RU (19&quot;/23&quot;)</td>
</tr>
<tr>
<td></td>
<td><strong>Size (HxWxD)</strong></td>
<td>3.5&quot;x17&quot;x14&quot;</td>
</tr>
<tr>
<td></td>
<td><strong>Plate Capacity</strong></td>
<td>4</td>
</tr>
<tr>
<td></td>
<td><strong>Adapter Capacity</strong></td>
<td>32</td>
</tr>
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<td></td>
<td><strong>Splice Capacity</strong></td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>• Datacenters</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Headend</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• FTTH Deployments</td>
<td></td>
</tr>
</tbody>
</table>
## PATCH PANEL ENCLOSURES AT-A-GLANCE

<table>
<thead>
<tr>
<th>PART</th>
<th>SPECIFICATIONS</th>
<th>APPLICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AM-50-SDC</strong></td>
<td><strong>Installation Type</strong> Indoor</td>
<td>• Premesis Locations</td>
</tr>
<tr>
<td><strong>Mounting</strong></td>
<td><strong>Wall</strong></td>
<td>• Campuses</td>
</tr>
<tr>
<td><strong>Size (HxWxD)</strong></td>
<td><strong>21.5” x 21.5”</strong></td>
<td>• FTTH Deployments</td>
</tr>
<tr>
<td><strong>Plate Capacity</strong></td>
<td><strong>N/A</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Adapter Capacity</strong></td>
<td><strong>N/A</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Splice Capacity</strong></td>
<td><strong>12</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Applications</strong></td>
<td></td>
</tr>
<tr>
<td><strong>AM-50-SDC</strong></td>
<td><strong>Installation Type</strong> Indoor</td>
<td></td>
</tr>
<tr>
<td><strong>Mounting</strong></td>
<td><strong>Wall</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Size (HxWxD)</strong></td>
<td><strong>48” x 30” x 12”</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Plate Capacity</strong></td>
<td><strong>12</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Adapter Capacity</strong></td>
<td><strong>144</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Splice Capacity</strong></td>
<td><strong>N/A</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Construction</strong></td>
<td><strong>Galv Steel</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Applications</strong></td>
<td><strong>Premises Locations</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Campuses</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>FTTH Deployments</strong></td>
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</tr>
</tbody>
</table>

## SMALL TELECOMMUNICATIONS ENCLOSURES

<table>
<thead>
<tr>
<th>PART</th>
<th>SPECIFICATIONS</th>
<th>APPLICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AM-352620</strong></td>
<td><strong>Installation Type</strong> Outdoor</td>
<td>• Fiber to Premises</td>
</tr>
<tr>
<td><strong>Mounting</strong></td>
<td><strong>Wall/Pole/Pad</strong></td>
<td>• Fiber to Node</td>
</tr>
<tr>
<td><strong>Size (HxWxD)</strong></td>
<td><strong>35” x 26” x 20”</strong></td>
<td>• Fiber to Curb</td>
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<tr>
<td><strong>Capacity</strong></td>
<td><strong>9RU 19”</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Battery Capacity</strong></td>
<td>**???”</td>
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</tr>
<tr>
<td><strong>Construction</strong></td>
<td><strong>Aluminum</strong></td>
<td></td>
</tr>
<tr>
<td><strong>NEMA</strong></td>
<td><strong>Type 3R</strong></td>
<td></td>
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<tr>
<td>PART</td>
<td>SPECIFICATIONS</td>
<td></td>
</tr>
<tr>
<td>------</td>
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<td></td>
</tr>
</tbody>
</table>
| AM-1915-LTT-P | **Portable Laptop Tray**  
(page 116)  
Mounting  
Construction  
Finish  
Door Hanging Bracket  
.090 Aluminum  
Powder Coat Beige |
| AM-(19)1615-LTT | **Cabinet / Wall Mount Laptop Tray**  
(page 116)  
Mounting  
Construction  
Finish  
Permanent Wall Mount  
.090 Aluminum  
Powder Coat Beige |
| AM-2014-LTT-1RU AM-1614-LTT-1RU | **Rack Mount Sliding Tray**  
(page 116)  
Mounting  
Construction  
Finish  
1RU Rack (19")  
HRPO Steel  
Powder Coat Black |
| AM-2123-23BTV | **Center Mount Battery Trays (Vented / Unvented)**  
4 Post Mount Battery Trays Also Available.  
(page 117)  
Mounting  
Construction  
Finish  
Inside Dims  
3RU Rack (19")  
HRPO Steel / Aluminum  
Powder Coat Black  
21.250"W x 23.250"D |
| Rack Mount Shelves | **Rack Mount CPU Shelf**  
(page 116)  
Mounting  
Construction  
Finish  
3RU Rack (19")  
HRPO Steel  
Powder Coat Black |
| AM-RG3519-2RU-BLK AM-RG7019-4RU-BLK AM-RG1419-8RU-BLK | **Rackguard**  
(page 117)  
Mounting  
Construction  
Finish  
2RU, 4RU, 8RU Rack (19")  
HRPO Steel  
Powder Coat Black |
| Rack Mount Fiber Storage | **Rack Fiber Storage**  
(page 112)  
Mounting  
Construction  
Slack Capacity  
Finish  
5RU Rack (19")  
HRPO Steel  
50ft  
Powder Coat Black |
| Horizontal Wire Management | **Horizontal Wire Management**  
(page 112)  
Mounting  
Construction  
Finish  
1RU Rack (19")  
HRPO Steel  
Powder Coat Black |
| Vertical Wire Management | **Vertical Wire Management**  
(page 112)  
Mounting  
Construction  
Included Hardware  
Finish  
19” / 23” Rack  
HRPO Steel  
Powder Coat Black  
Stainless Steel |
<table>
<thead>
<tr>
<th>PART</th>
<th>SPECIFICATIONS</th>
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</thead>
<tbody>
<tr>
<td>AM-L (Loaded)</td>
<td>Plate Mounting: Standard LGX “Snap-In”</td>
</tr>
<tr>
<td>AM-N (Empty)</td>
<td>Construction: .090 Aluminum</td>
</tr>
<tr>
<td>AM-BLANK</td>
<td>Finish: Powder Coat Black / White</td>
</tr>
<tr>
<td>Fiber Plates / Adapters (page 113)</td>
<td>Adapter Compat.: ST, FC, SC, LC, and more</td>
</tr>
<tr>
<td></td>
<td>Adapter Density: Simplex, Duplex &amp; Quad (LC)</td>
</tr>
<tr>
<td>AM-WC-1U3P-PNL</td>
<td>Contact your Salesperson for adapter specifications...</td>
</tr>
<tr>
<td>Patch Panel 1RU (page 118)</td>
<td>Mounting: 1RU Rack (19”)</td>
</tr>
<tr>
<td></td>
<td>Construction: GALV Steel</td>
</tr>
<tr>
<td></td>
<td>Finish: Powder Coat Black</td>
</tr>
<tr>
<td></td>
<td>Plate Density: 3 Plates</td>
</tr>
<tr>
<td>AMLPNL-144-U</td>
<td>Mounting: 3RU Rack (19”)</td>
</tr>
<tr>
<td>Patch Panel 3RU (page 118)</td>
<td>Construction: GALV Steel</td>
</tr>
<tr>
<td></td>
<td>Finish: Powder Coat Black</td>
</tr>
<tr>
<td></td>
<td>Adapter Density: 144 SC or 288 LC Dup.</td>
</tr>
<tr>
<td>AMLPNL-14-LGX</td>
<td>Mounting: 3RU Rack (19”)</td>
</tr>
<tr>
<td>LGX Panel 3RU (page 119)</td>
<td>Construction: GALV Steel</td>
</tr>
<tr>
<td></td>
<td>Finish: Powder Coat Black</td>
</tr>
<tr>
<td></td>
<td>LGX Density: 14 LGX Snap-In Modules or Plates</td>
</tr>
<tr>
<td>AML-USP</td>
<td>Mounting: RU Rack (19”)</td>
</tr>
<tr>
<td>Universal LGX Panel 3RU (page 119)</td>
<td>Construction: GALV Steel</td>
</tr>
<tr>
<td></td>
<td>Finish: Powder Coat Black</td>
</tr>
<tr>
<td></td>
<td>LGX Density: 14 LGX Modules</td>
</tr>
<tr>
<td>LGX Splitter Panel 1RU</td>
<td>Mounting: 1RU Rack (19”)</td>
</tr>
<tr>
<td></td>
<td>Construction: GALV Steel</td>
</tr>
<tr>
<td></td>
<td>Finish: Powder Coat Black</td>
</tr>
<tr>
<td></td>
<td>LGX Splitter Storage: 2 LGX Modules</td>
</tr>
<tr>
<td></td>
<td>Adapter Density: 2 SC Input + 48 SC Output</td>
</tr>
<tr>
<td>LGX Cassette PLC Splitters (page 108)</td>
<td>Splitter Options: 1x4, 1x8, 1x16, 1x32, 1x64</td>
</tr>
<tr>
<td></td>
<td>Construction: .090 Aluminum</td>
</tr>
<tr>
<td></td>
<td>Finish: Powder Coat Black</td>
</tr>
<tr>
<td>Fiber Pigtails (page 110)</td>
<td>Configurations: Contact Salesperson for Info.</td>
</tr>
</tbody>
</table>
AP FORT™ Standard Offerings

**Galvanized Steel.** Outstanding impact and corrosion resistance. Walls, floor and ceiling 14 gauge. Ceiling joists 12 gauge.

**NEMA Protection:** Protection Level Type 3R. This enclosure protects against rain, sleet, snow, splashing water and damage from external ice formation.

**Stainless Steel Hardware:** We choose the highest quality materials to produce our enclosures. Type 304 stainless steel hardware will not rust in the field.

**GR487 Powder Coat:** Enclosures are powder coated and tested to the Telcordia GR487 specifications for telecom enclosures.

**Power:** Pre-wired 20 Amp receptacles are a standard feature.

**Load Center:** 100 Amp load center w/ main & branch circuit breakers, 12 slot.

**Vinyl Flooring:** Commercial Grade

**Locking:** Secure, strong lockable door knobs

**LED Lighting**

**Lifting Eyes/Forklift Tubes:** Crane ready lifting eyes and forklift tubes for a convenient way to offload and position your shelter.

**Insulation:** 11R in-wall, ceiling and floor.

**Standard Color / finish choices:**
Colors shown here are approximate.

- Beige
- White
- Grey
- Aggregate
- Custom

Call a Sales Representative for Assistance.
AP FORT™ Options

- Upgraded Load Center
- Copper Ground Bar
- Numbered 19” or 23” EIA Standard Relay Racks
- Laptop Tray
- Generator Plug & Interlock
- Battery Racks
- Door Alarm
- L Rail Set
- Ladder Racks
- Surge Arrestor

AP FORT™ Climate Control Options

- AC and Heat*
  - 1 TON to 5 TON Units
  - High Volume
  - AC or DC Powered
- Redundancy
  - Dual AC with a controller that switches lead/lag AC.
- High Output Ventilation
  - 115VAC / 12, 24, 48VDC
  - Adjustable Thermostat
  - Filters Available
- Baseboard Heat
  - Built in adjustable thermostat
  - 1500W, 115VAC
- Heat Exchanger
  - Consult factory for sizes.
- Battery Heater
  - 115VAC

*Telcom Grade with auto-changeover thermostat

Call a Sales Representative for Assistance.
**Basic Layout w/ Options**

<table>
<thead>
<tr>
<th>EXTERIOR HEIGHT</th>
<th>INTERIOR HEIGHT</th>
<th>WIDTH</th>
<th>DEPTH</th>
<th>INTERIOR SQ FOOTAGE</th>
<th>BASIC WEIGHT WITHOUT OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>108” (9’)</td>
<td>95” (7.917’)</td>
<td>72” (6’)</td>
<td>72” (6’)</td>
<td>36</td>
<td>2875 LBS</td>
</tr>
<tr>
<td>108” (9’)</td>
<td>95” (7.917’)</td>
<td>72” (6’)</td>
<td>108” (9’)</td>
<td>54</td>
<td>3710 LBS</td>
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<tr>
<td>108” (9’)</td>
<td>95” (7.917’)</td>
<td>96” (8’)</td>
<td>144” (12’)</td>
<td>96</td>
<td>6870 LBS</td>
</tr>
<tr>
<td>108” (9’)</td>
<td>95” (7.917’)</td>
<td>108” (9’)</td>
<td>180” (15’)</td>
<td>135</td>
<td>7750 LBS</td>
</tr>
<tr>
<td>108” (9’)</td>
<td>95” (7.917’)</td>
<td>120” (10’)</td>
<td>252” (21’)</td>
<td>210</td>
<td>11250 LBS</td>
</tr>
</tbody>
</table>

**Try the Online Configurator to Design Your Own!**

Call a Sales Representative for Assistance.

597 Evergreen Road
Strafford MO 65757
417-736-2135
Toll Free: 855-736-2135
Web: www.amprod.us
AP FORT™
Technical Specifications

<table>
<thead>
<tr>
<th>SHELTER SIZE</th>
<th>STANDARD CONFIGURATION</th>
<th>ESTIMATED WEIGHT</th>
</tr>
</thead>
</table>
| 108"H x 72"W x 72"D  
(9’ H x 6’ W x 6’ D) | 100A panel, 4 Outlets, 2 Lights | 2875 lbs |
| 108"H x 72"W x 108"D  
(9’ H x 6’ W x 9’ D) | 100A panel, 4 Outlets, 2 Lights | 3710 lbs |
| 108"H x 96"W x 144"D  
(9’ H x 8’ W x 12’ D) | 100A panel, 6 Outlets, 4 Lights | 6870 lbs |
| 108"H x 108"W x 180"D  
(9’ H x 9’ W x 15’ D) | 100A panel, 6 Outlets, 4 Lights | 7750 lbs |
| 108"H x 120"W x 252"D  
(9’ H x 10’ W x 21’ D) | 100A panel, 6 Outlets, 4 Lights | 11250 lbs |

<table>
<thead>
<tr>
<th>FEATURE</th>
<th>DESCRIPTION</th>
<th>MATERIALS, FINISH &amp; STANDARDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shelter Construction</td>
<td>Floor, wall, ceiling and roof panels are bolted construction and made out of 14 gauge galvanized steel. Base is bolted construction and the channels are made from 8 gauge galvanized steel.</td>
<td>Walls, ceiling, roof and floor panels are constructed out of 14 gauge G90 galvanized steel. Wall, roof &amp; ceiling panels are powder coated outdoor rated TGIC paint. All stainless steel high strength bolted connections. Designed and built to NEMA 3R Standards. Building structure compliant to latest IBC codes and regulations.</td>
</tr>
<tr>
<td>Interior Walls</td>
<td>All interior walls are bright white faced wall board. 3/4&quot; wall boards well suited for mounting equipment of all types. All seams trimmed with aluminum angles for a clean finish.</td>
<td>Interior walls constructed out of 3/4&quot; particle board substrate with white melamine laminate facing. All wall boards are fastened directly to the formed wall panel sub-structure with stainless fasteners. Seams trimmed with .090&quot; thick 5052-H32 aluminum angles.</td>
</tr>
<tr>
<td>Electrical System</td>
<td>All electrical conduit runs are surface mounted on the interior of the shelter which facilitates easy visual inspection. Interior panels and junctions utilized in standard configuration.</td>
<td>All galvanized EMT conduit, fittings and junctions are utilized within the electrical system. Standard Schneider QO load centers &amp; breakers used unless otherwise specified. All electrical installation is supervised by a certified electrician in accordance with the latest NEC regulations and guidelines. All standard electrical components are UL listed and/or recognized.</td>
</tr>
<tr>
<td>Insulation</td>
<td>All exterior walls, floor and ceiling are insulated.</td>
<td>3.5&quot; thick R11 Owens Corning fiberglass batt insulation utilized for exterior walls, ceiling and roof.</td>
</tr>
<tr>
<td>Entrance Door</td>
<td>Custom designed powder coated galvanized steel entrance door with keyed door knob and door closer.</td>
<td>40&quot; wide x 82.75&quot; tall door constructed from 14 ga galvanized steel, welded &amp; riveted construction. All surfaces powder coated outdoor rated TGIC paint. Door includes (3) stainless 4.5&quot; leaf hinges, keyed door knob with 4-7/8&quot; striker plate and surface mount door closer with hold open arm.</td>
</tr>
<tr>
<td>Lifting Eyes</td>
<td>Formed full height lifting straps on each corner and fork lift tubes in the base to facilitate crane or forklift positioning.</td>
<td>Lifting eye straps constructed out of .25&quot; thick hot rolled steel and hot dip galvanized. High strength bolted connections from the shelter base and up each wall corner for maximum rigidity. Forklift tubes within base frame constructed out of 12 gauge G90 galvanized steel with high strength bolted connections to the base frame structure. Tube covers included with shelter.</td>
</tr>
<tr>
<td>Lighting</td>
<td>Interior ceiling mounted LED light fixtures. Outside light fixture options available.</td>
<td>(2) to (4) 4' LED light fixtures mounted on the ceiling. LED light fixtures are UL/CSA listed and/or recognized.</td>
</tr>
</tbody>
</table>
AP MINIFORT®
Maximum Versatility and Affordability
**AP MINIFORT® Standard Offerings**

- **.090 Aircraft Grade Aluminum**: Outstanding corrosion resistance.

- **NEMA Protection**: Protection Level Type 3R. This enclosure protects against rain, sleet, snow, splashing water and damage from external ice formation. Tested and certified to UL 50 / 50E standards for safety.

- **Stainless Steel Hardware**: We choose the highest quality materials to produce our enclosures. Type 304 stainless steel hardware will not rust in the field.

- **GR487 Powder Coat**: Enclosures are powder coated and tested to the Telcordia GR487 specifications for telecom enclosures.

- **Power**: A pre-wired 20 Amp quad receptacle is a standard feature.

- **Numbered Adjustable Equipment Racks**: 19” or 23”

- **Ground Terminal Strip**: 7 position aluminum strip

- **Locking**: Extremely secure, strong and impermeable. Lockable handles and hinges are made from Type 300 stainless steel.

---

**Standard Color / finish choices:**

- Beige
- White
- Grey
- Custom

---

**Call a Sales Representative for Assistance.**

597 Evergreen Road
Strafford MO 65757
417-736-2135
Toll Free: 855-736-2135
Web: www.amprod.us
**AP MINIFORT® Options**

- **Ground Pad Mount**: 6" Flanged base with mounting holes. Front & back removable panels
- **Pole Mount Bracket**: For use with mounting clamps, straps or lag bolts. Compatible with 4"-8" diameter poles.
- **Wall Mount Bracket**: Flanged back panels with mounting holes.

**Door Alarm**

**Battery Compartment**

**Battery Tray**

**Upgraded Copper Ground Bar**

**Generator Plug & Interlock**

**19" Additional Set of Rails**

**Insulation**

Recommended for climate control options

**AP MINIFORT® Climate Control Options**

- **AC 1,000 to 6,000 BTU/hr**
  - Built-in Heater
  - Corrosion Protection
  - Cold Start Heater

- **Exhaust Fan**
  - 115VAC / 12, 24, 48VDC
  - Adjustable Thermostat
  - Filters

- **Heater**
  - Built in adjustable thermostat
  - 100W-1000W 115VAC

- **Heat Exchanger**
  - Consult factory for sizes.

- **Battery Heater Pad**
  - 115VAC
  - Fits on Battery Tray

---

Call a Sales Representative for Assistance.
Basic Layout

How to Order

<table>
<thead>
<tr>
<th>RU</th>
<th>HEIGHT</th>
<th>WIDTH</th>
<th>DEPTH</th>
<th>QUAD REP</th>
<th>RACK RAILS</th>
<th>ETL CERTIFICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>20”</td>
<td>24”</td>
<td>18”</td>
<td>20 AMP</td>
<td>19”</td>
<td>UL 50 UL 50E CSA C22.2#94.1 CSA C22.2#94.2</td>
</tr>
<tr>
<td>9</td>
<td>20”</td>
<td>28”</td>
<td>22”</td>
<td>20 AMP</td>
<td>19” or 23”</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>32”</td>
<td>24”</td>
<td>18”</td>
<td>20 AMP</td>
<td>19”</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>32”</td>
<td>28”</td>
<td>22”</td>
<td>20 AMP</td>
<td>19” or 23”</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>46”</td>
<td>24”</td>
<td>18”</td>
<td>20 AMP</td>
<td>19”</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>46”</td>
<td>28”</td>
<td>22”</td>
<td>20 AMP</td>
<td>19” or 23”</td>
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</tr>
</tbody>
</table>

Try the Online Configurator to Design Your Own!

Call a Sales Representative for Assistance.
# AP MINIFORT®

## Technical Specifications

<table>
<thead>
<tr>
<th>Enclosure Size</th>
<th>Capacity</th>
<th>Est. Weight</th>
<th>ETL Certifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>20” T x 24” W x 18” D</td>
<td>9RU Total Equipment Space, 19” Adjustable Rack</td>
<td>44 lbs</td>
<td>UL 50 / 50E</td>
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<tr>
<td>20” T x 28” W x 22” D</td>
<td>9RU Total Equipment Space, 19” or 23” Adjustable Rack</td>
<td>46 lbs</td>
<td>CSA C22.2#94.1</td>
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<td>32” T x 24” W x 18” D</td>
<td>16RU Total Equipment Space, 19” Adjustable Rack</td>
<td>53 lbs</td>
<td>CSA C22.2#94.2</td>
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<td>32” T x 28” W x 22” D</td>
<td>16RU Total Equipment Space, 19” or 23” Adjustable Rack</td>
<td>56 lbs</td>
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<tr>
<td>46” T x 24” W x 18” D</td>
<td>24RU Total Equipment Space, 19” Adjustable Rack</td>
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<tr>
<td>46” T x 28” W x 22” D</td>
<td>24RU Total Equipment Space, 19” or 23” Adjustable Rack</td>
<td>69 lbs</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
<th>Materials, Finish &amp; Standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cabinet Construction</td>
<td>Cabinet walls, top, bottom, doors &amp; door frames are of bolted aluminum construction.</td>
<td>Constructed out of .090” thick 5052-H-32 Aluminum. All surfaces powder coated light textured beige, outdoor rated TGIC. Designed and built to NEMA 3R Standards.</td>
</tr>
<tr>
<td>Interior Rack</td>
<td>19” equipment rack (16 to 24RU racks). Rack rails are designed to accept 12-24 floating cage nuts. 12-24 screws, washers and cage nuts included with the cabinet. Racks are adjustable front to back. Rails on 28” wide cabinets are reversible from 19” to 23” configurations. One rack per cabinet is included, extra rack rails can be included to facilitate four post mounted equipment.</td>
<td>Rack rails are constructed out of 12 gauge galvanized steel and powder coated matte black and labeled with RU designations. Rails designed to EIA standards.</td>
</tr>
<tr>
<td>Door Latches</td>
<td>216-Hex 1/4-turn latch w/pad locking brackets. The 20” tall cabinet(s) use one latch per door, the 32” and 46” tall cabinets use two latches per door.</td>
<td>All cabinet fasteners, handles &amp; latching mechanisms are stainless steel.</td>
</tr>
<tr>
<td>Door Gasket Seal</td>
<td>Bulb door gasket that mechanically fastens to the cabinet door frame. Gasket seal compliant to NEMA 3R standards.</td>
<td>Gasket material is UL 94 rated for gasketing &amp; sealing applications under UL50 and UL508.</td>
</tr>
<tr>
<td>Door Hinge</td>
<td>Stainless steel piano cabinet door hinge, full height.</td>
<td>.040 thick 300 series stainless steel continuous hinge. 1.25” open, .50” knuckle and 3/32” diameter stainless pin.</td>
</tr>
<tr>
<td>Cable Entrances</td>
<td>Each cabinet will have (4) per-set cable entrance locations in the bottom. (4) 1.375” Ø knock-outs towards rear of cabinet.</td>
<td>Mechanical knock-outs in the bottom of each bay equipment chamber are laser cut to facilitate easy break-out slug access.</td>
</tr>
<tr>
<td>Grounding Provisions</td>
<td>Door ground strap and terminal strip for chassis ground.</td>
<td>6AWG braided cable door grounding strap secured to masked studs for each cabinet door. 5 position aluminum terminal strip mounted to interior bottom, mounted to stand-offs for easy access.</td>
</tr>
<tr>
<td>Door Stops</td>
<td>Integrated door wind guard stop on each door.</td>
<td>Custom door wind guards constructed out of 304 stainless steel. Holds door open at approximately 95°, lift to close.</td>
</tr>
<tr>
<td>Convenience Receptacle</td>
<td>Quad 20 amp receptacle positioned in rear lower section of each equipment bay.</td>
<td>(2) duplex 20 amp 5-20R receptacles mounted in 4” junction boxes in cabinet. Wiring done by others in the field.</td>
</tr>
<tr>
<td>Mounting Plinth (optional)</td>
<td>4” or 6” tall mounting plinth with front &amp; rear access panels for slack storage.</td>
<td>Plinth is constructed out of .125 thick 5052-H32 aluminum. All surfaces powder coated light textured beige, outdoor rated TGIC. Front &amp; rear access panels are secured with 216 hex head security screws. Hex key provided with this option.</td>
</tr>
</tbody>
</table>
AP INDEPENDENCE™
Outdoor Modular Enclosure for Rackmount Equipment
**AP INDEPENDENCE™ Standard Offerings**

- **.125 Aircraft Grade Aluminum:** Outstanding corrosion resistance.

- **NEMA Protection:** Protection Level Type 3R. This enclosure protects against rain, sleet, snow, splashing water and damage from external ice formation.

- **Stainless Steel Hardware:** We choose the highest quality materials to produce our enclosures. Type 304 stainless steel hardware will not rust in the field.

- **GR487 Powder Coat:** Enclosures are powder coated and tested to the Telcordia GR487 specifications for telecom enclosures.

- **Power:** A pre-wired 20 Amp quad receptacle is a standard feature.

- **Numbered Adjustable Equipment Racks:** 19” or 23”

- **Solar Shield Roof:** Includes a double wall roof to reduce the radiant heat and internal cooling requirements of the enclosure.

- **Ground Terminal Strip:** 18 position aluminum strip

- **Locking:** Extremely secure, strong and impermeable. Lockable handles and hinges are made from Type 304 stainless steel.

- **Lifting Eyes:** Crane ready lifting eyes for a convenient way to offload and position your enclosure.

**Standard Color / finish choices:**
Colors shown here are approximate.

- Beige
- White
- Grey
- Custom

**Call a Sales Representative for Assistance.**
Expandability:
Remove side-mount adapter plates to add accessories or joining collars without sacrificing interior space. Cabinets may be expanded to meet your project requirements.

**AP INDEPENDENCE™ Options**

- Load Center
- Generator Plug & Interlock
- Door Alarm
- Upgraded Copper Ground Bar
- LED Interior Lighting
- Additional Set of Rails
- Battery Compartment
- Laptop Tray
- L Rail Set
- Mounting Plinth 4” or 6”

**AP INDEPENDENCE™ Climate Control Options**

- **AC 1,000 to 12,000 BTU/hr**
  - Built-in Heater
  - Corrosion Protection
  - Cold Start Heater

- **AC 1,000 to 6,000 BTU/hr**
  - 48 VDC Powered

- Exhaust Fan
  - 115VAC / 12, 24, 48VDC
  - Adjustable Thermostat
  - Filters

- **Heater**
  - Built in adjustable thermostat
  - 100W-1000W 115VAC

- **Heat Exchanger**
  - Consult factory for sizes.

- **Battery Heater Pad**
  - 115VAC
  - Fits on Battery Tray

Call a Sales Representative for Assistance.
Basic Layout

How to Order

<table>
<thead>
<tr>
<th>RUs</th>
<th>HEIGHT</th>
<th>WIDTH</th>
<th>DEPTH</th>
<th>QUAD REP</th>
<th>RACK RAILS</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>32&quot;</td>
<td>26&quot;</td>
<td>25” or 30” or 36”</td>
<td>20 AMP</td>
<td>19” or 23”</td>
</tr>
<tr>
<td>24</td>
<td>47&quot;</td>
<td>26&quot;</td>
<td>25” or 30” or 36”</td>
<td>20 AMP</td>
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</tr>
<tr>
<td>30</td>
<td>58&quot;</td>
<td>26&quot;</td>
<td>25” or 30” or 36”</td>
<td>20 AMP</td>
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<tr>
<td>36</td>
<td>68&quot;</td>
<td>26&quot;</td>
<td>25” or 30” or 36”</td>
<td>20 AMP</td>
<td>19” or 23”</td>
</tr>
<tr>
<td>42</td>
<td>78&quot;</td>
<td>26&quot;</td>
<td>25” or 30” or 36”</td>
<td>20 AMP</td>
<td>19” or 23”</td>
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AMERICAN PRODUCTS
Turn-Key Enclosure Solutions

597 Evergreen Road
Strafford MO 65757
417-736-2135
Toll Free: 855-736-2135
Web: www.amprod.us
FEATURE DESCRIPTION MATERIALS, FINISH & STANDARDS

Cabinet Construction
Cabinet walls, top, bottom, doors & door frames are of bolted aluminum construction.

Interior Rack
19” equipment rack (16 to 42RU) options. Rack rails are designed to accept 12-24 floating cage nuts. 12-24 screws, washers and cage nuts included with the cabinet. Racks are adjustable front to back, rails are reversible from 19” to 23” configurations. One rack per equipment bay is included, extra rack rails can be included to facilitate four post mounted equipment or added capacity with front & rear mounted equipment.

Door Handle/Latch
3-point pad lockable door latch & handle on all (2) doors. All cabinet fasteners, handles & latching mechanisms are stainless steel.

Door Gasket Seal
Bulb door gasket that mechanically fastens to the cabinet door frame. Gasket seal compliant to NEMA 3R standards.

Door Hinge
Stainless steel lift off cabinet door hinge. (3) hinges per door on cabinets up to 58” tall. Cabnets 68” tall and above have (4) hinges per door.

Cable Entrances
Each cabinet will have (8) pre-set cable entrance locations in the bottom. (2) 4”Ø & (6) 1.0”Ø knock-outs.

Grounding Provisions
Door ground strap and terminal strip for chassis ground.

Door Stops
Integrated door wind guard stop on each door.

Convenience Receptacle
Quad 20 amp receptacle positioned in rear lower section of each equipment bay.

Sun Shield
Top sun shield covering the top of each equipment bay to reduce the affect of solar loading.

Lifting Eyes
Custom Stainless lifting eyes on top (4) corners of cabinet. Note: For recommended lifting procedures, please refer to instruction manual.

Mounting Plinth (optional)
4” or 6” tall mounting plinth with front & rear access panels for slack storage.

ENCELLUENCE SIZE CAPACITY EST. WEIGHT

<table>
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<tr>
<th>ENCLOSURE SIZE</th>
<th>CAPACITY</th>
<th>EST. WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>32” T x 26” W x 25” D</td>
<td>16RU Total Equipment Space, 19” or 23” Adjustable Rack</td>
<td>210 lbs</td>
</tr>
<tr>
<td>32” T x 26” W x 30” D</td>
<td>16RU Total Equipment Space, 19” or 23” Adjustable Rack</td>
<td>215 lbs</td>
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<tr>
<td>32” T x 26” W x 36” D</td>
<td>16RU Total Equipment Space, 19” or 23” Adjustable Rack</td>
<td>222 lbs</td>
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<td>47” T x 26” W x 25” D</td>
<td>24RU Total Equipment Space, 19” or 23” Adjustable Rack</td>
<td>220 lbs</td>
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<tr>
<td>47” T x 26” W x 30” D</td>
<td>24RU Total Equipment Space, 19” or 23” Adjustable Rack</td>
<td>225 lbs</td>
</tr>
<tr>
<td>47” T x 26” W x 36” D</td>
<td>24RU Total Equipment Space, 19” or 23” Adjustable Rack</td>
<td>232 lbs</td>
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<tr>
<td>58” T x 26” W x 25” D</td>
<td>30RU Total Equipment Space, 19” or 23” Adjustable Rack</td>
<td>227 lbs</td>
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<tr>
<td>58” T x 26” W x 30” D</td>
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<td>235 lbs</td>
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<tr>
<td>58” T x 26” W x 36” D</td>
<td>30RU Total Equipment Space, 19” or 23” Adjustable Rack</td>
<td>242 lbs</td>
</tr>
<tr>
<td>68” T x 26” W x 25” D</td>
<td>36RU Total Equipment Space, 19” or 23” Adjustable Rack</td>
<td>230 lbs</td>
</tr>
<tr>
<td>68” T x 26” W x 30” D</td>
<td>36RU Total Equipment Space, 19” or 23” Adjustable Rack</td>
<td>238 lbs</td>
</tr>
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<td>247 lbs</td>
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<td>245 lbs</td>
</tr>
<tr>
<td>78” T x 26” W x 30” D</td>
<td>42RU Total Equipment Space, 19” or 23” Adjustable Rack</td>
<td>254 lbs</td>
</tr>
<tr>
<td>78” T x 26” W x 36” D</td>
<td>42RU Total Equipment Space, 19” or 23” Adjustable Rack</td>
<td>263 lbs</td>
</tr>
</tbody>
</table>

AP INDEPENDENCE™
Technical Specifications

Call a Sales Representative for Assistance.
AP FREEDOM™
Outdoor Enclosure for Rackmount Equipment
.125 Aircraft Grade Aluminum: Outstanding corrosion resistance.

NEMA Protection: Protection Level Type 4. This enclosure protects against rain, sleet, snow, splashing, hose directed water and damage from

Stainless Steel Hardware: We choose the highest quality materials to produce our enclosures. Type 304 stainless steel hardware will not rust in the field.

GR487 Powder Coat: Enclosures are powder coated and tested to the Telcordia GR487 specifications for telecom enclosures.

Power: A pre-wired 20 Amp quad receptacle is a standard feature.

Numbered Adjustable Equipment Racks: 19” or 23”

Solar Shield Roof: Includes a double wall roof to reduce the radiant heat and internal cooling requirements of the enclosure.

Grounding Terminal: 10 position copper ground bar.

Locking: Extremely secure, strong and impermeable. Lockable handles and hinges are made from Type 304 stainless steel.

Lifting Eyes: Crane ready lifting eyes for a convenient way to offload and position your enclosure.

Standard Color / finish choices: Colors shown here are approximate.

Beige  White  Grey  Custom
**AP FREEDOM™ Options**

- Load Center
- LED Interior Lighting
- Additional Set of Rails
- Generator Plug & Interlock
- Battery Tray
- Battery Compartment
- Door Alarm
- L Rail Set
- Insulation
- Recommended for climate control options
- Laptop Tray
- Mounting Plinth 4” or 6”

**AP FREEDOM™ Climate Control Options**

- **AC 1,000 to 12,000 BTU/hr***
  - Built-in Heater
  - Corrosion Protection
  - Cold Start Heater

- **AC 1,000 to 6,000 BTU/hr**
  - 48 VDC Powered

- **Exhaust Fan**
  - 115VAC / 12, 24, 48VDC
  - Adjustable Thermostat
  - Filters

- **Heater**
  - Built in adjustable thermostat
  - 100W-1000W 115VAC

- **Heat Exchanger**
  - Consult factory for sizes.

- **Battery Heater Pad**
  - 115VAC
  - Fits on Battery Tray

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AMERICAN PRODUCTS
Turn-Key Enclosure Solutions

597 Evergreen Road
Stratford MO 65757
417-736-2135
Toll Free: 855-736-2135
Web: www.amprod.us
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</tr>
<tr>
<td>47” T x 30” W x 30” D</td>
<td>24RU Total Equipment Space, 19” or 23” Adjustable Rack</td>
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</tr>
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</tr>
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<td>42RU Total Equipment Space, 19” or 23” Adjustable Rack</td>
<td>TBD</td>
</tr>
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<td>42RU Total Equipment Space, 19” or 23” Adjustable Rack</td>
<td>TBD</td>
</tr>
</tbody>
</table>

## Feature Descriptions

- **Cabinet Construction**: Cabinet walls, top, bottom, doors & door frames are of welded aluminum construction.
  - **Materials, Finish & Standards**: Constructed out of .125” thick 5052-H-32 Aluminum. All surfaces powder coated light textured beige, outdoor rated TGIC. Designed and built to NEMA 4 Standards.

- **Interior Rack**: Rack rails are designed to accept 12-24 floating cage nuts. 12-24 screws, washers and cage nuts included with the cabinet. Racks are adjustable front to back, rails are reversible from 19” to 23” configurations. One rack per equipment bay is included, extra rack rails can be included to facilitate four post mounted equipment or added capacity with front & rear mounted equipment.
  - **Material, Finish & Standards**: Rack rails are constructed out of 12 gauge galvanized steel and powder coated matte black and labeled with RU designations. Rails designed to EIA standards.

- **Door Handle/Latch**: 3-point pad lockable door latch & handle on all (2) doors.
  - **Material, Finish & Standards**: All cabinet fasteners, handles & latching mechanisms are stainless steel.

- **Door Gasket Seal**: Flat self-adhesive gasket/weatherstrip is attached to door interior for a gasket seal that is compliant to NEMA 4 standards.
  - **Material, Finish & Standards**: Gasket material is UL 94 rated for gasketing & sealing applications under UL50 and UL508.

- **Door Hinge**: Stainless steel continuous door hinge on front and rear doors.
  - **Material, Finish & Standards**: Full length 16 ga. (.060” thick) stainless steel piano hinge.

- **Cable Entrances**: Each cabinet will have (8) pre-set cable entrance locations in the bottom. (2) 4”Ø & (6) 1.0”Ø knock-outs.
  - **Material, Finish & Standards**: Mechanical knock-outs in the bottom of each bay equipment chamber are laser cut to facilitate easy break-out slug access.

- **Grounding Provisions**: Door ground strap and terminal strip for chassis ground.
  - **Material, Finish & Standards**: 6AWG braided cable door grounding strap secured to masked studs for each cabinet door. 10 position copper terminal strip mounted to interior bottom, mounted to stand-offs for easy access.

- **Door Stops**: Integrated door wind guard stop on each door.
  - **Material, Finish & Standards**: Custom door wind guards constructed out of 304 stainless steel. Holds door open at approximately 95°, lift to close.

- **Convenience Receptacle**: Quad 20 amp receptacle positioned in rear lower section of each equipment bay.
  - **Material, Finish & Standards**: (1) duplex 20 amp 5-20R receptacles mounted in 4” junction boxes in each equipment bay. Wiring done by others in the field. Note: If outdoor load center option is included, receptacles will be wired to a breaker in the load center.

- **Sun Shield**: Top sun shield covering the top of each equipment bay to reduce the affect of solar loading.
  - **Material, Finish & Standards**: Constructed out of .125” thick 5052-H-32 Aluminum. All surfaces powder coated light textured beige, outdoor rated TGIC. Sun shield attached to cabinet top on standoffs to leave sufficient gap to facilitate air movement. Openings small enough to comply with insect intrusion restrictions per UL 50E guidelines.

- **Lifting Eyes**: Custom lifting eyes on top (4) corners of cabinet. Note: For recommended lifting procedures, please refer to instruction manual.
  - **Material, Finish & Standards**: Material for lifting eyes are heavy gauge aluminum. Each lifting eye is attached with high strength carriage bolts. Lifting eyes can be removed after cabinet is in place if desired.

- **Mounting Plinth (optional)**: 4” or 6” tall mounting plinth with front & rear access panels for slack storage.
  - **Material, Finish & Standards**: Plinth is constructed out of .125 thick 5052-H32 aluminum. All surfaces powder coated light textured beige, outdoor rated TGIC. Front & rear access panels are secured with 216 hex head security screws. Hex key provided with this option.
.125 Aircraft Grade Aluminum: Outstanding corrosion resistance.

NEMA Protection: Protection Level Type 3R. This enclosure protects against rain, sleet, snow, splashing water and damage from external ice formation.

Stainless Steel Hardware: We choose the highest quality materials to produce our enclosures. Type 304 stainless steel hardware will not rust in the field.

GR487 Powder Coat: Enclosures are powder coated and tested to the Telcordia GR487 specifications for telecom enclosures.

Power: A pre-wired 20 Amp quad receptacle is a standard feature.

Numbered Adjustable Equipment Racks: 19” or 23”

Solar Shield Roof: Includes a double wall roof to reduce the radiant heat and internal cooling requirements of the enclosure.

Grounding Terminal: 10 position copper ground bar.

Locking: Extremely secure, strong and impermeable. Lockable handles and hinges are made from Type 304 stainless steel.

Lifting Eyes: Crane ready lifting eyes for a convenient way to offload and position your enclosure.

Standard Color / finish choices:
Colors shown here are approximate.

- Beige
- White
- Grey
- Custom

Call a Sales Representative for Assistance.
**AP HERITAGE™ Options**

- **Load Center**
- **LED Interior Lighting**
- **Additional Set of Rails**
- **Laptop Tray**
- **Battery Tray**
- **Battery Compartment**
- **Insulation**
- **Mount Plinth 4” or 6”**

**AP HERITAGE™ Climate Control Options**

- **AC 1,000 to 12,000 BTU/hr**
  - Built-in Heater
  - Corrosion Protection
  - Cold Start Heater

- **AC 1,000 to 6,000 BTU/hr**
  - 48 VDC Powered

- **Exhaust Fan**
  - 115VAC / 12, 24, 48VDC
  - Adjustable Thermostat
  - Filters *

- **Heater**
  - Built in adjustable thermostat
  - 100W-1000W 115VAC

- **Heat Exchanger**
  - Consult factory for sizes.

- **Battery Heater Pad**
  - 115VAC
  - Fits on Battery Tray

**Call a Sales Representative for Assistance.**
## Basic Layout

![Basic Layout Diagram](image)

## How to Order

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</tr>
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</tr>
<tr>
<td>72</td>
<td>68”</td>
<td>60”</td>
<td>36” or 42”</td>
<td>20 AMP</td>
<td>19” or 23”</td>
</tr>
<tr>
<td>84</td>
<td>78”</td>
<td>60”</td>
<td>36” or 42”</td>
<td>20 AMP</td>
<td>19” or 23”</td>
</tr>
</tbody>
</table>

---

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---

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**AMERICAN PRODUCTS**

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Strafford MO 65757
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Toll Free: 855-736-2135
Web: www.amprod.us
## AP HERITAGE™

### Technical Specifications

<table>
<thead>
<tr>
<th>ENCLOSURE SIZE</th>
<th>CAPACITY</th>
<th>EST. WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>32” T x 60” W x 36” D</td>
<td>32RU Total Equipment Space, 16RU Each Bay</td>
<td>300 lbs</td>
</tr>
<tr>
<td>32” T x 60” W x 42” D</td>
<td>32RU Total Equipment Space, 16RU Each Bay</td>
<td>310 lbs</td>
</tr>
<tr>
<td>47” T x 60” W x 36” D</td>
<td>48RU Total Equipment Space, 24RU Each Bay</td>
<td>350 lbs</td>
</tr>
<tr>
<td>47” T x 60” W x 42” D</td>
<td>48RU Total Equipment Space, 24RU Each Bay</td>
<td>375 lbs</td>
</tr>
<tr>
<td>58” T x 60” W x 36” D</td>
<td>60RU Total Equipment Space, 30RU Each Bay</td>
<td>390 lbs</td>
</tr>
<tr>
<td>58” T x 60” W x 42” D</td>
<td>60RU Total Equipment Space, 30RU Each Bay</td>
<td>415 lbs</td>
</tr>
<tr>
<td>68” T x 60” W x 36” D</td>
<td>72RU Total Equipment Space, 36RU Each Bay</td>
<td>440 lbs</td>
</tr>
<tr>
<td>68” T x 60” W x 42” D</td>
<td>72RU Total Equipment Space, 36RU Each Bay</td>
<td>465 lbs</td>
</tr>
<tr>
<td>78” T x 60” W x 36” D</td>
<td>84RU Total Equipment Space, 42RU Each Bay</td>
<td>475 lbs</td>
</tr>
<tr>
<td>78” T x 60” W x 42” D</td>
<td>84RU Total Equipment Space, 42RU Each Bay</td>
<td>500 lbs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FEATURE</th>
<th>DESCRIPTION</th>
<th>MATERIALS, FINISH &amp; STANDARDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cabinet Construction</td>
<td>Cabinet walls, top, bottom, doors &amp; door frames are of bolted aluminum construction.</td>
<td>Constructed out of 125” thick 5052-H-32 Aluminum. All surfaces powder coated light textured beige, outdoor rated TGIC. Designed and built to NEMA 3R Standards.</td>
</tr>
<tr>
<td>Interior Rack</td>
<td>19” equipment rack (16 to 42RU racks). Rack rails are designed to accept 12-24 floating cage nuts. 12-24 screws, washers and cage nuts included with the cabinet. Racks are adjustable front to back, rails are reversible from 19” to 23” configurations. One rack per equipment bay is included, extra rack rails can be included to facilitate four post mounted equipment or added capacity with front &amp; read mounted equipment.</td>
<td>Rack rails are constructed out of 12 gauge galvanized steel and powder coated matte black and labeled with RU designations. Rails designed to EIA standards, cable pass-thru openings are included when rack is in 19” configuration.</td>
</tr>
<tr>
<td>Door Handle/Latch</td>
<td>3-point pad lockable door latch &amp; handle on all (4) doors.</td>
<td>All cabinet fasteners, handles &amp; latching mechanisms are stainless steel.</td>
</tr>
<tr>
<td>Door Gasket Seal</td>
<td>Bulb door gasket that mechanically fastens to the cabinet door frame. Gasket seal compliant to NEMA 3R standards.</td>
<td>Gasket material is UL 94 rated for gasketing &amp; sealing applications under UL50 and UL508.</td>
</tr>
<tr>
<td>Door Hinge</td>
<td>Stainless steel lift off cabinet door hinge. (3) hinges per door on cabinets up to 58” tall. Cabinets 68” tall and above have (4) hinges per door.</td>
<td>1.75” open x 3” long 16-ga. (.060” thick) stainless steel lift off leaf hinge. Male leaf with fixed .125” Ø stainless pin.</td>
</tr>
<tr>
<td>Cable Entrances</td>
<td>Each cabinet bay will have (8) per-set cable entrance locations in the bottom. (2) 4” Ø &amp; (6) 1.0” Ø knock-outs.</td>
<td>Mechanical knock-outs in the bottom of each bay equipment chamber are laser cut to facilitate easy break-out slug access.</td>
</tr>
<tr>
<td>Grounding Provisions</td>
<td>Door ground strap and terminal strip for chassis ground.</td>
<td>6AWG braded cable door grounding strap secured to masked studs for each cabinet door. 10 position copper terminal strip mounted to interior middle, mounted to stand-offs for easy access.</td>
</tr>
<tr>
<td>Door Stops</td>
<td>Integrated door wind guard stop on each door.</td>
<td>Custom door wind guards constructed out of 304 stainless steel. Holds door open at approximately 95°, lift to close.</td>
</tr>
<tr>
<td>Convenience Receptacle</td>
<td>Quad 20 amp receptacle positioned in rear lower section of each equipment bay.</td>
<td>(2) duplex 20 amp 5-20R receptacles mounted in 4” junction boxes in each equipment bay. Wiring done by others in the field. Note: If outdoor load center option is included, receptacles will be wired to a breaker in the load center.</td>
</tr>
<tr>
<td>Sun Shield</td>
<td>Top sun shield covering the top of each equipment bay to reduce the affect of solar loading.</td>
<td>Constructed out of 125” thick 5052-H-32 Aluminum. All surfaces powder coated light textured beige, outdoor rated TGIC. Sun shield attached to cabinet top on standoffs to leave sufficient gap to facilitate air movement. Openings small enough to comply with insect intrusion restrictions per UL 50E guidelines.</td>
</tr>
<tr>
<td>Lifting Eyes</td>
<td>Custom Stainless lifting eyes on (4) corners of cabinet. Note: For recommended lifting procedures, please refer to instruction manual.</td>
<td>Material for lifting eyes is 12 gauge 304-2B stainless steel. Each lifting eye is attached with high strength carriage bolts. Lifting eyes can be removed after cabinet is in place if desired.</td>
</tr>
<tr>
<td>Mounting Plinth (optional)</td>
<td>4” or 6” tall mounting plinth with front &amp; rear access panels for slack storage.</td>
<td>Plinth is constructed out of 125 thick 5052-H32 aluminum. All surfaces powder coated light textured beige, outdoor rated TGIC. Front &amp; rear access panels are secured with 216 hex head security screws. Hex key provided with this option.</td>
</tr>
</tbody>
</table>
THIS PAGE INTENTIONALLY LEFT BLANK
.125 / .190 Aircraft Grade Aluminum: Outstanding corrosion resistance.

NEMA Protection: Protection Level Type 4. This enclosure is also tested and certified to UL 50 / 50E standards for safety.

Stainless Steel Hardware: We choose the highest quality materials to produce our enclosures. Type 304 stainless steel hardware prevents rust in the field.

GR487 Powder Coat: Enclosures are powder coated and tested to the Telcordia GR487 specifications for telecom enclosures.

Power: A pre-wired 20 Amp quad receptacle is a standard feature.

Numbered Adjustable Equipment Racks: 19" or 23"

Solar Shield Roof: Includes a double wall roof to reduce the radiant heat and internal cooling requirements of the enclosure.

External Ground Lug

Locking: Extremely secure, strong and impermeable. Lockable handles and hinges are made from Type 304 stainless steel.

Lifting Eyes: Crane ready lifting eyes for a convenient way to offload and position your enclosure.

Standard Color / finish choices:
Colors shown here are approximate.

- Beige
- White
- Grey
- Custom

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**AP REVOLUTION™ Series Options**

- Load Center
- LED Interior Lighting
- Additional Set of Rails
- Laptop Tray
- Generator Plug & Interlock
- Battery Tray
- Battery Compartment
- L. Rail Set
- Door Alarm
- Insulation
  - Recommended for climate control options

**AP REVOLUTION™ Climate Control Options**

- **AC 1,000 to 12,000 BTU/hr**
  - Built-in Heater
  - Corrosion Protection
  - Cold Start Heater

- **Exhaust Fan**
  - 115VAC / 12, 24, 48VDC
  - Adjustable Thermostat
  - Filters

- **Heater**
  - Built in adjustable thermostat
  - 100W-1000W 115VAC

- **Heat Exchanger**
  - Consult factory for sizes.

- **Battery Heater Pad**
  - 115VAC
  - Fits on Battery Tray

---

**Call a Sales Representative for Assistance.**
## Basic Layout

![Basic Layout Diagram]

- **Painted Welded Aluminum Lifting Eyes**
- **Stainless Wind Guard Door Stop**
- **Solar Shield**
- **Stainless Pad-lockable Handle & 3-point Latch**
- **External Grounding Provisions**
- **Front & Rear Doors with Gasket Seals**

## How to Order

<table>
<thead>
<tr>
<th>RUs</th>
<th>HEIGHT</th>
<th>WIDTH</th>
<th>DEPTH</th>
<th>QUAD REP</th>
<th>RACK RAILS</th>
</tr>
</thead>
<tbody>
<tr>
<td>32</td>
<td>32”</td>
<td>60”</td>
<td>36” or 42”</td>
<td>20 AMP</td>
<td>19” or 23”</td>
</tr>
<tr>
<td>48</td>
<td>47”</td>
<td>60”</td>
<td>36” or 42”</td>
<td>20 AMP</td>
<td>19” or 23”</td>
</tr>
<tr>
<td>60</td>
<td>58”</td>
<td>60”</td>
<td>36” or 42”</td>
<td>20 AMP</td>
<td>19” or 23”</td>
</tr>
<tr>
<td>72</td>
<td>68”</td>
<td>60”</td>
<td>36” or 42”</td>
<td>20 AMP</td>
<td>19” or 23”</td>
</tr>
<tr>
<td>84</td>
<td>78”</td>
<td>60”</td>
<td>36” or 42”</td>
<td>20 AMP</td>
<td>19” or 23”</td>
</tr>
</tbody>
</table>

Call a Sales Representative for Assistance.

Web: [www.amprod.us](http://www.amprod.us)
FEATURE DESCRIPTION MATERIALS, FINISH & STANDARDS

Cabinet Construction
- Cabinet walls, top, bottom, doors & door frames are of welded aluminum construction.
- Constructed out of .125” +.190” thick 5052-H-32 Aluminum. All surfaces powder coated light textured beige, outdoor rated TGIC. Designed and built to NEMA 4 Standards.

Interior Rack
- Rack rails are designed to accept 12-24 floating cage nuts. 12-24 screws, washers and cage nuts included with the cabinet. Racks are adjustable front to back, rails are reversible from 19” to 23” configurations. One rack per equipment bay is included, extra rack rails can be included to facilitate four post mounted equipment or added capacity with front & rear mounted equipment.
- Rack rails are constructed out of 12 gauge galvanized steel and powder coated matte black and labeled with RU designations. Rails designed to EIA standards, cable pass-thru openings are included when rack is in 19” configuration.

Door Handle/Latch
- 3-point pad lockable door latch & handle on all (4) doors. All cabinet fasteners, handles & latching mechanisms are stainless steel.
- Door gasket seal flat self-adhesive gasket is attached to door interior for a gasket seal that is compliant to NEMA Type 4 standards.
- Gasket material is UL 94 rated for gasketing & sealing applications under UL50 and UL508.

Door Hinge
- Stainless steel continuous door hinge on front and rear doors.
- Door stops integrated door wind guard stop on each door. Custom door wind guards constructed out of 304 stainless steel. Holds door open at approximately 95°, lift to close.

Cable Entrances
- Sealed gland plates for cable entry.
- Painted aluminum gland plates secured w/ stainless fasteners & sealing gasket.

Grounding Provisions
- 10 position isolated ground bar w/ external ground provisions.
- 6AWG braided cable door grounding strap secured to masked studs for each cabinet door. 10 position copper terminal strip mounted to interior bottom, mounted to stand-offs for easy access.

Convenience Receptacle
- Quad 20 amp receptacle positioned in rear lower section of each equipment bay.
- (2) duplex 20 amp 5-20R receptacles mounted in 4” junction boxes in each equipment bay. Wiring done by others in the field. Note: If outdoor load center option is included, receptacles will be wired to a breaker in the load center.

Sun Shield
- Top sun shield covering the top of each equipment bay to reduce the affect of solar loading.
- Constructed out of .125” thick 5052-H-32 Aluminum. All surfaces powder coated light textured beige, outdoor rated TGIC. Sun shield attached to cabinet top on standoffs to leave sufficient gap to facilitate air movement. Openings small enough to comply with insect intrusion restrictions per UL 50E guidelines.

Lifting Eyes
- Custom lifting eyes on top (4) corners of cabinet. Note: For recommended lifting procedures, please refer to instruction manual.
- Material for lifting eyes are heavy gauge aluminum. Each lifting eye is attached with high strength carage bolts. Lifting eyes can be removed after cabinet is in place if desired.

Mounting Plinth (optional)
- 4” or 6” tall mounting plinth with front & rear access panels for slack storage.
- Plinth is constructed out of .125“ thick 5052-H32 Aluminum. All surfaces powder coated light textured beige, outdoor rated TGIC. Front & rear access panels are secured with 216 hex head security screws. Hex key provided with this option.

**ENCLOSURE SIZE** | **CAPACITY** | **EST. WEIGHT**
--- | --- | ---
32” T x 60” W x 36” D | 32RU Total Equipment Space, 16RU Each Bay | TBD
32” T x 60” W x 42” D | 32RU Total Equipment Space, 16RU Each Bay | TBD
47” T x 60” W x 36” D | 48RU Total Equipment Space, 24RU Each Bay | TBD
47” T x 60” W x 42” D | 48RU Total Equipment Space, 24RU Each Bay | TBD
58” T x 60” W x 36” D | 60RU Total Equipment Space, 30RU Each Bay | TBD
58” T x 60” W x 42” D | 60RU Total Equipment Space, 30RU Each Bay | TBD
68” T x 60” W x 36” D | 72RU Total Equipment Space, 36RU Each Bay | TBD
68” T x 60” W x 42” D | 72RU Total Equipment Space, 36RU Each Bay | TBD
78” T x 60” W x 36” D | 84RU Total Equipment Space, 42RU Each Bay | TBD
78” T x 60” W x 42” D | 84RU Total Equipment Space, 42RU Each Bay | TBD

**VER. 06/12/2020**

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AP PATRIOT™ Standard Offerings

.125 Aircraft Grade Aluminum: Outstanding corrosion resistance.

NEMA Protection: Protection Level Type 3R. This enclosure protects against rain, sleet, snow, splashing water and damage from external ice formation.

Stainless Steel Hardware: We choose the highest quality materials to produce our enclosures. Type 304 stainless steel hardware will not rust in the field.

GR487 Powder Coat: Enclosures are powder coated and tested to the Telcordia GR487 specifications for telecom enclosures.

Power: A pre-wired 20 Amp quad receptacle is a standard feature.

Numbered Adjustable Equipment Racks: 19” or 23”

Solar Shield Roof: Includes a double wall roof to reduce the radiant heat and internal cooling requirements of the enclosure.

Ground Terminal Strip: 12 position aluminum strip

Locking: Extremely secure, strong and impermeable. Lockable handles and hinges are made from Type 304 stainless steel.

Lifting Eyes: Crane ready lifting eyes for a convenient way to offload and position your enclosure.

Battery Compartment

Standard Color / finish choices: Colors shown here are approximate.

Beige  White

Grey  Custom

Shown with Options

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**AP PATRIOT™ Options**

- **Load Center**
- **Generator Plug & Interlock**
- **Upgraded Copper Ground Bar**
- **LED Interior Lighting**
- **Additional Set of Rails**
- **Battery Tray**
- **L Laptop Tray**
- **L Rail Set**
- **Door Alarm**
- **Insulation** Recommended for climate control options

**AP PATRIOT™ Climate Control Options**

- **HVAC 1,000 to 12,000 BTU/hr**
  - Built-in Heater
  - Corrosion Protection
  - Cold Start Heater
- **HVAC 1,000 to 6,000 BTU/hr**
  - 48 VDC Powered
- **Exhaust Fan**
  - 115VAC / 12, 24, 48VDC
  - Adjustable Thermostat
  - Filters *
- **Heater**
  - Built in adjustable thermostat
  - 100W-1000W 115VAC
- **Heat Exchanger**
  - Consult factory for sizes.
- **Battery Heater Pad**
  - 115VAC
  - Fits on Battery Tray

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Toll Free: 855-736-2135
Web: www.amprod.us
## Basic Layout

![Basic Layout Diagram](image)

### How to Order

<table>
<thead>
<tr>
<th>RUs</th>
<th>HEIGHT</th>
<th>WIDTH</th>
<th>DEPTH</th>
<th>BATTERY PLINTH HEIGHT</th>
<th>RACK RAILS</th>
</tr>
</thead>
<tbody>
<tr>
<td>16 or 32</td>
<td>32”</td>
<td>40”</td>
<td>36” or 42”</td>
<td>16”</td>
<td>19” or 23”</td>
</tr>
<tr>
<td>24 or 48</td>
<td>47”</td>
<td>40”</td>
<td>36” or 42”</td>
<td>16”</td>
<td>19” or 23”</td>
</tr>
<tr>
<td>30 or 60</td>
<td>58”</td>
<td>40”</td>
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<td>16”</td>
<td>19” or 23”</td>
</tr>
</tbody>
</table>

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## AP PATRIOT™ Technical Specifications

<table>
<thead>
<tr>
<th>PART NUMBERS</th>
<th>ENCLOSURE SIZES</th>
<th>DESCRIPTION</th>
<th>MATERIALS, FINISH &amp; STANDARDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>AM32P-4036-16/32RU</td>
<td>48” H x 40” W x 36” D</td>
<td>Front &amp; Rear Racks Included, 16RU / Rack, 32RU Total</td>
<td>Constructed out of 125” thick 5052-H-32 Aluminum. All surfaces powder coated light textured beige, outdoor rated TGIC. Designed and built to NEMA 3R Standards.</td>
</tr>
<tr>
<td>AM32P-4042-16/32RU</td>
<td>48” H x 40” W x 42” D</td>
<td>Front &amp; Rear Racks Included, 16RU / Rack, 32RU Total</td>
<td>Rack rails are constructed out of 12 gauge galvanized steel and powder coated matte black and labeled with RU designations. Rails designed to EIA standards, cable pass thru openings are included when rack is in 19” configuration.</td>
</tr>
<tr>
<td>AM47P-4036-24/48RU</td>
<td>63” H x 40” W x 36” D</td>
<td>Front &amp; Rear Racks Included, 24RU / Rack, 48RU Total</td>
<td></td>
</tr>
<tr>
<td>AM47P-4042-24/48RU</td>
<td>63” H x 40” W x 42” D</td>
<td>Front &amp; Rear Racks Included, 24RU / Rack, 48RU Total</td>
<td></td>
</tr>
<tr>
<td>AM58P-4036-30/60RU</td>
<td>74” H x 40” W x 36” D</td>
<td>Front &amp; Rear Racks Included, 30RU / Rack, 60RU Total</td>
<td></td>
</tr>
<tr>
<td>AM58P-4042-30/60RU</td>
<td>74” H x 40” W x 42” D</td>
<td>Front &amp; Rear Racks Included, 30RU / Rack, 60RU Total</td>
<td></td>
</tr>
</tbody>
</table>

### Feature Description

#### Cabinet Construction
- Cabinet walls, top, bottom, doors & door frames are of bolted aluminum construction. Cabinet platform includes equipment chamber with racks, battery compartment mounting base & full size auxiliary equipment side compartment. (See details below)
- Constructed out of 125” thick 5052-H-32 Aluminum. All surfaces powder coated light textured beige, outdoor rated TGIC. Designed and built to NEMA 3R Standards.

#### Interior Rack
- 19'23” equipment rack (16 to 30RU racks). Rack rails are designed to accept 12-24 floating cage nuts. 12-24 screws, washers and cage nuts included with the cabinet. Racks are reversible from 19” to 23” configurations. Two racks per equipment bay are included in each Patriot Enclosure. When racks are configured for 19” equipment, up to (4) cable management troughs are included to facilitate fiber or cable passage from front to back on the left side of the cabinet. If racks are configured for 23” equipment this feature is not available.

#### Door Handle/Latch
- 3-point pad lockable door latch & handle on both doors
- All cabinet fasteners, handles & latching mechanisms are stainless steel

#### Door Gasket Seal
- Bulb door gasket that mechanically fastens to the cabinet door frame. Gasket seal compliant to NEMA 3R standards
- Gasket material is UL 94 rated for gasketing & sealing applications under UL50 and UL508.

#### Door Hinge
- Stainless steel lift off cabinet door hinge. (3) hinges per door on cabinets up to 58” tall. Cabinets 68” tall and above have (4) hinges per door.
- 1.75” open x 3” long 16 ga. (.060” thick) stainless steel lift off hinge. Male leaf with fixed .125” Ø stainless pin.

#### Convenience Receptacle
- Quad 20 amp receptacle positioned in rear lower section of each equipment bay
- (2) duplex 20 amp 5-20R receptacles mounted in 4” junction boxes in each equipment bay. Wiring done by others in the field. Note: If outdoor load center option is included, receptacles will be wired to a breaker in the load center.

#### Sun Shield
- Top sun shield covering the top of the equipment bay to reduce the affect of solar loading.
- Constructed out of 125” thick 5052-H-32 Aluminum. All surfaces powder coated light textured beige, outdoor rated TGIC. Sun shield attached to cabinet top on standoff to leave sufficient gap to facilitate air movement. Openings small enough to comply with insect intrusion restrictions per UL 50E guidelines.

#### Lifting Eyes
- Custom Stainless lifting eyes on top (4) corners of cabinet. Note: For recommended lifting procedures, please refer to instruction manual.
- Material for lifting eyes is 12 gauge 304-28 stainless steel. Each lifting eye is attached with high strength carriage bolts. Lifting eyes can be removed after cabinet is in place if desired.

#### Battery / Storage Compartment
- 16” H x 30” W x (depth) bottom battery compartment integrated with cabinet. Front & rear door access with screened louvers for passive ventilation. Battery compartment also serves as mounting base for cabinet.
- Battery/Storage compartment is constructed out of 125 thick 5052-H32 aluminum. All surfaces powder coated light textured beige, outdoor rated TGIC. Front & rear access doors are secured with 216 hex head security 1/4-turn latches. Hex key provided with this assembly.

#### Auxiliary Equipment Side Car
- Compartment walls, top, bottom, doors & door frames are of bolted aluminum construction. Compartment includes full size door with gasket seal & stainless 3-point pad-lockable latching system, 3/4” plywood back board with edged pass thru opening into equipment chamber.
- Constructed out of 125” thick 5052-H-32 Aluminum. All surfaces powder coated light textured beige, outdoor rated TGIC. Designed and built to NEMA 3R Standards.
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AP MINUTEMAN™
Indoor Repeater Enclosure
Additional Applications: Routers, Switches, Wireless & Fiber Routing Equipment

ABS Plastic
Galvanized Steel

AMERICAN PRODUCTS
Turn-Key Enclosure Solutions
Proudly Handcrafted in the USA
3/8” Plastic Body: Durable ABS Construction

RF Equipment Compatibility: Superior to Steel

Non-Corrosive Materials: Will Never Oxidize

NEMA Protection: Protection Level Type 1. Indoor Rated. This enclosure protects against falling debris.

Locking: Secure, strong and impermeable. Locking mechanism is made from Type 304 stainless steel.

Numbered Fixed Equipment Racks: Standard 19” EIA Racks for Indoor Small Business Equipment

Stainless Steel Hardware: We choose the highest quality materials to produce our enclosures. Type 304 stainless steel hardware will not rust in the field.

<table>
<thead>
<tr>
<th>HEIGHT</th>
<th>WIDTH</th>
<th>DEPTH</th>
<th>RU</th>
</tr>
</thead>
<tbody>
<tr>
<td>12”</td>
<td>22”</td>
<td>19” or 23”</td>
<td>5</td>
</tr>
<tr>
<td>30”</td>
<td>22”</td>
<td>19” or 23”</td>
<td>16</td>
</tr>
<tr>
<td>46”</td>
<td>22”</td>
<td>19” or 23”</td>
<td>24</td>
</tr>
<tr>
<td>60”</td>
<td>22”</td>
<td>19” or 23”</td>
<td>32</td>
</tr>
</tbody>
</table>

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Turn-Key Enclosure Solutions

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Strafford MO 65757
417-736-2135
Toll Free: 855-736-2135
Web: www.amprod.us
AP UTILITY™
Indoor / Outdoor Wall Mount Enclosure
AP UTILITY™ Standard Offerings

.125 Aircraft Grade Aluminum: Outstanding corrosion resistance. (Stainless Steel and Mild Steel also available.)

NEMA Protection: Protection Level Type 4 (3R for vented versions). This enclosure protects against rain, sleet, snow, splashing water and damage from external ice formation.

Stainless Steel Hardware: We choose the highest quality materials to produce our enclosures. Type 304 stainless steel hardware will not rust in the field.

GR487 Powder Coat: Enclosures are powder coated and tested to the Telcordia GR487 specifications for telecom enclosures.

Locking: Extremely secure, strong and impermeable. Padlockable handles and hinges are made from Type 304 stainless steel.

Standard Color / finish choices:
Colors shown here are approximate.

- Beige
- White
- Grey
- Custom
**AP UTILITY™ Options**

- **Duplex Receptacle**: 115V
- **Door Alarm**
- **5 Position Isolated Copper Ground Bar**
- **3/4” Plywood or 1/8” Aluminum Backboard**
- **Wall Mount Bracket**: Flanged back panels with mounting holes.
- **Pole Mount Bracket**: Bracket for use with mounting clamps, straps or lag bolts. Compatible with 4”-8” diameter poles.

**AP UTILITY™ Climate Control Options**

- ***AC 1,000 BTU/hr with Thermostat**
- ***Exhaust Fan**: 115VAC / 12, 24 or 48VDC; adjustable thermostat is included.
- **Insulation**: Recommended for climate control options

*A/C and Fan options apply to 10” or deeper enclosures only*
### Basic Layout

![Basic Layout Diagram]

### How to Order

<table>
<thead>
<tr>
<th>HEIGHT</th>
<th>WIDTH</th>
<th>DEPTH</th>
<th>BASIC WEIGHT WITHOUT OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>14&quot;</td>
<td>12&quot;</td>
<td>6&quot;</td>
<td>15 lbs (alum) / 25 lbs (steel)</td>
</tr>
<tr>
<td>24&quot;</td>
<td>20&quot;</td>
<td>6&quot;</td>
<td>34 lbs (alum) / 59 lbs (steel)</td>
</tr>
<tr>
<td>24&quot;</td>
<td>24&quot;</td>
<td>10&quot;</td>
<td>47 lbs (alum) / 80 lbs (steel)</td>
</tr>
<tr>
<td>36&quot;</td>
<td>24&quot;</td>
<td>10&quot;</td>
<td>66 lbs (alum) / 112 lbs (steel)</td>
</tr>
<tr>
<td>32&quot;</td>
<td>24&quot;</td>
<td>12&quot;</td>
<td>63 lbs (alum) / 107 lbs (steel)</td>
</tr>
<tr>
<td>48&quot;</td>
<td>30&quot;</td>
<td>12&quot;</td>
<td>108 lbs (alum) / 183 lbs (steel)</td>
</tr>
</tbody>
</table>

Call a Sales Representative for Assistance.

597 Evergreen Road
Strafford MO 65757
417-736-2135
Toll Free: 855-736-2135
Web: www.amprod.us
### AP UTILITY™ Technical Specifications

<table>
<thead>
<tr>
<th>ENCLOSURE SIZE</th>
<th>MOUNT TYPE</th>
<th>EST. WEIGHT (Empty Cabinet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>14&quot;T x 12&quot;W x 6&quot;D</td>
<td>Utility Cabinet has sealed front door w/ (1) hex locking 1/4-turn latch, metal backplane &amp; one sealed gland plate centered on the bottom</td>
<td>15 lbs (alum) / 25 lbs (steel)</td>
</tr>
<tr>
<td>24&quot;T x 20&quot;W x 6&quot;D</td>
<td>Utility Cabinet has sealed front door w/ (2) hex locking 1/4-turn latches, metal backplane &amp; one sealed gland plate centered on the bottom</td>
<td>34 lbs (alum) / 59 lbs (steel)</td>
</tr>
<tr>
<td>24&quot;T x 24&quot;W x 10&quot;D</td>
<td>Utility Cabinet has sealed front door w/ (2) hex locking 1/4-turn latch, metal backplane &amp; one sealed gland plate centered on the bottom</td>
<td>47 lbs (alum) / 80 lbs (steel)</td>
</tr>
<tr>
<td>36&quot;T x 24&quot;W x 10&quot;D</td>
<td>Utility Cabinet has sealed front door w/ 3-point latch &amp; pad lockable handle, metal backplane &amp; one sealed gland plate centered on the bottom</td>
<td>66 lbs (alum) / 112 lbs (steel)</td>
</tr>
<tr>
<td>32&quot;T x 24&quot;W x 12&quot;D</td>
<td>Utility Cabinet has sealed front door w/ 3-point latch &amp; pad lockable handle, metal backplane &amp; one sealed gland plate centered on the bottom</td>
<td>63 lbs (alum) / 107 lbs (steel)</td>
</tr>
<tr>
<td>48&quot;T x 30&quot;W x 12&quot;D</td>
<td>Utility Cabinet has sealed front door w/ 3-point latch &amp; pad lockable handle, metal backplane &amp; two sealed gland plates centered on the bottom</td>
<td>108 lbs (alum) / 183 lbs (steel)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>COMPONENT FEATURE</th>
<th>DESCRIPTION</th>
<th>MATERIALS, FINISH &amp; STANDARDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cabinet Construction</td>
<td>Cabinet walls, top, bottom &amp; sides are welded construction with front access doors. Cabinets are wall or pole mountable. Vented versions come with filtered intake and fan mounting brackets. (fan sold separately)</td>
<td>Constructed out of 14 gauge steel or .080&quot; thick 5052-H32 aluminum. All surfaces pre-treated and powder coated. Designed and built to NEMA 4 Standards for sealed cabinets &amp; NEMA 3R for vented cabinets.</td>
</tr>
<tr>
<td>Interior Backplane</td>
<td>Removable back plane is mounted on standoff on the interior back wall of the cabinet. Provides mounting surface for internal component(s) to be housed within the cabinet without penetrating the exterior back wall of the enclosure.</td>
<td>Interior backplane is powder coated white. Other internal component mounting provisions are available as optional equipment.</td>
</tr>
<tr>
<td>Door Handle/Latch</td>
<td>Pad-lockable 1/4-turn latches with 216 HEX inserts on cabinets 24&quot; tall and below. Pad-lockable handles with 3-point latches equipped on cabinets 32&quot; tall and above.</td>
<td>All 1/4-turn latch and 3-point latch components are stainless steel and sealed.</td>
</tr>
<tr>
<td>Door Hinge</td>
<td>Continuous piano hinge running full length of door</td>
<td>1.5&quot; open 16 ga. (.060&quot; thick) stainless steel piano hinge with 1/8&quot; diameter pin and 1/2&quot; knuckles</td>
</tr>
<tr>
<td>Cable Entrances</td>
<td>(1) or (2) removable sealed cable gland plates on the bottom surface. Can be drilled or punched to accommodate cable entrance requirements.</td>
<td>Gland plates are 4&quot;x8&quot; &amp; made from either 14 gauge steel or .080&quot; 5052-H32 aluminum &amp; powder coated</td>
</tr>
<tr>
<td>Grounding Provisions</td>
<td>Grounding terminal strip is located on the bottom of the cabinet and mounted and bonded to cabinet wrap. Door grounding strap included.</td>
<td>7 position aluminum terminal strip with set screws for 6 AWG to 14 AWG wire.</td>
</tr>
<tr>
<td>Pole/Wall Mount Bracket Kits</td>
<td>Optional pole/wall mount kit available. User friendly lift off design. (2) bracket sets ber kit.</td>
<td>Pole mount brackets made from 12 gauge galvanized steel &amp; powder coated.</td>
</tr>
</tbody>
</table>

Call a Sales Representative for Assistance.

---

597 Evergreen Road  
Strafford MO 65757  
417-736-2135  
Toll Free: 855-736-2135  
Web: www.amprod.us
THIS PAGE INTENTIONALLY LEFT BLANK
**Standard Color / finish**

*Color shown here is approximate.*

**Texture**

Beige

---

**GR487 Powder Coat**: Powder coated and tested to the Telcordia GR487 specifications for telecom enclosures.

**NEMA Protection**: Protection Level Type 3R. This enclosure protects against falling debris.

**Stainless Steel Hardware**: We choose the highest quality materials to produce our enclosures. Type 304 stainless steel hardware will not rust in the field.

**Equipment Racks**: 9RU 19” EIA adjustable

**Cooling**: Filtered fan system 48vdc

**Locking**: Extremely secure, strong and impermeable, 3-point pad lockable latches.

<table>
<thead>
<tr>
<th>HEIGHT</th>
<th>WIDTH</th>
<th>DEPTH</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>35”</td>
<td>26”</td>
<td>20”</td>
<td>136 lbs</td>
</tr>
</tbody>
</table>
**NEMA 3R Protection**: This enclosure protects against falling debris.

**Galvanized Steel**: Constructed from 14 gauge galvanized steel for corrosion resistance.

**Locking**: Extremely secure, strong and impermeable, 3-point pad lockable latches.

**GR487 Powder Coat**: Powder coated and tested to the Telcordia GR487 specifications for telecom enclosures.

**Stainless Steel Hardware**: We choose the highest quality materials to produce our enclosures. Type 304 stainless steel hardware will not rust in the field.

---

**Standard Color / finish**

Color shown here is approximate.

**Texture Beige**

---

**Table**

<table>
<thead>
<tr>
<th>HEIGHT</th>
<th>WIDTH</th>
<th>DEPTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>48”</td>
<td>30”</td>
<td>12”</td>
</tr>
</tbody>
</table>

---

**Call a Sales Representative for Assistance.**

**AMERICAN PRODUCTS**

Turn-Key Enclosure Solutions

597 Evergreen Road
Strafford MO 65757
417-736-2135
Toll Free: 855-736-2135
Web: www.amprod.us
Fiber Optic
Complete Line of Passive Optical Networking Enclosures
.125 Aircraft Grade Aluminum: Outstanding corrosion resistance.

NEMA Protection: Protection Level Type 4. This enclosure protects against rain, sleet, snow, splashing water and damage from external ice formation. Also tested to UL 50 / 50E standards for safety.

Stainless Steel Hardware: We choose the highest quality materials to produce our enclosures. Type 304 stainless steel hardware will not rust in the field.

GR487 Powder Coat: Enclosures are powder coated and tested to the Telcordia GR487 specifications for telecom enclosures.

Numbered Adjustable Equipment Racks: 19" or 23" (19" only on Pole/Pad Mount models.)

Solar Shield Roof: Includes a double wall roof to reduce the radiant heat and internal cooling requirements of the enclosure.

Ground Terminal: 6 position aluminum ground bar

Locking: Extremely secure, strong and impermeable. Lockable handles and hinges are made from Type 304 stainless steel.

Standard Color / finish choices: Colors shown here are approximate.

- Beige
- White
- Grey
- Custom

Call a Sales Representative for Assistance.

AMERICAN PRODUCTS
Turn-Key Enclosure Solutions

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**AP LIBERTY®**

**Freedom to Choose**

**Choose Technology That is Right for the Application**

**AP LIBERTY®** (Pole Mount)

**AP NAUTILUS®** (Below Grade)

**AP LIBERTY®** (Pad Mount)

**Mount Options**
- Plinth
  - 12” or 24”
- Pole Mount
  - Compatible with 28” x 18” x 18” 36” x 24” enclosures

**Splitters and Mux**

**Internal Splicing**

**Fiber Cabling**

**Patch Panels**

---

**AP LIBERTY®** Quick Solution Options

**LGX Style**
- Splitters
- Splice Trays
- Adapter Plates

**Splice Trays**
- 12 Count
- 24 Count

**Cassette Splitters**
- 1x8
- 1x16
- 1x32
- 2x32
- 1x64

**Mount Options**

**Fiber Pigtail**
- Pre-Connectorized SC APC
- Fiber Count 12, 24, 36, 48, 72, 96, 144
- Loose Tube, Armored
- 50’ or 100’

---

Call For Additional Options and Configurations

---

Call a Sales Representative for Assistance.

---

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Basic Layout

<table>
<thead>
<tr>
<th>MOUNT</th>
<th>PORTS</th>
<th>HEIGHT</th>
<th>WIDTH</th>
<th>DEPTH</th>
<th>SPLITTER CAPACITY</th>
<th>FIBER INPUT</th>
<th>ETL CERTIFICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pole / Pad</td>
<td>Up to 288</td>
<td>28”</td>
<td>18”</td>
<td>18”</td>
<td>18</td>
<td>Up to 36</td>
<td>UL 50</td>
</tr>
<tr>
<td>Pole / Pad</td>
<td>Up to 432</td>
<td>34”</td>
<td>24”</td>
<td>18”</td>
<td>27</td>
<td>Up to 48</td>
<td>UL 50E</td>
</tr>
<tr>
<td>Pad</td>
<td>Up to 288</td>
<td>30”</td>
<td>30”</td>
<td>18”</td>
<td>18</td>
<td>Up to 36</td>
<td>CSA C22.2#94.1</td>
</tr>
<tr>
<td>Pad</td>
<td>Up to 432</td>
<td>36”</td>
<td>30”</td>
<td>18”</td>
<td>27</td>
<td>Up to 48</td>
<td>CSA C22.2#94.2</td>
</tr>
<tr>
<td>Pad</td>
<td>Up to 576</td>
<td>42”</td>
<td>30”</td>
<td>18”</td>
<td>54</td>
<td>Up to 144</td>
<td>-</td>
</tr>
<tr>
<td>Pad</td>
<td>Up to 864</td>
<td>31”</td>
<td>30”</td>
<td>28”</td>
<td>54</td>
<td>Up to 144</td>
<td>-</td>
</tr>
<tr>
<td>Below Grade</td>
<td>Up to 288</td>
<td>24”</td>
<td>24”</td>
<td>18”</td>
<td>18</td>
<td>Up to 36</td>
<td>-</td>
</tr>
</tbody>
</table>

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Web: www.amprod.us
**AP LIBERTY® Pad Mount**

Technical Specifications

**FEATURE**

<table>
<thead>
<tr>
<th>ENCLOSURE SIZE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>30&quot; x 30&quot; x 18&quot;</td>
<td>Cabinet walls, top, bottom &amp; door frames are of welded aluminum construction.</td>
</tr>
<tr>
<td>36&quot; x 30&quot; x 18&quot;</td>
<td>19&quot; equipment rack (7 to 22RU). Rack rails are designed to accept 12-24 floating cage nuts. 12-24 screws, washers and cage nuts included with the cabinet. Racks are adjustable front to back, rails are reversible from 19&quot; to 23&quot; configurations.</td>
</tr>
<tr>
<td>42&quot; x 30&quot; x 18&quot;</td>
<td>Door handle/Latch 3-point pad lockable door latch &amp; handle</td>
</tr>
<tr>
<td>31&quot; x 30&quot; x 28&quot;</td>
<td>Door Gasket Seal Flat gasket 3/4&quot; wide &amp; 1/4&quot; thick with PSA backing applied to the interior perimeter of both front and rear doors.</td>
</tr>
<tr>
<td>30&quot; x 30&quot; x 18&quot;</td>
<td>Door Hinge Continuous piano hinge running full length of door</td>
</tr>
<tr>
<td>36&quot; x 30&quot; x 18&quot;</td>
<td>Cable Entrances Up to 6 sealing glands for cables ranging from 3/4&quot; to 1&quot; diameter. Includes custom strain relief brackets with strength member clamping provisions.</td>
</tr>
<tr>
<td>31&quot; x 30&quot; x 28&quot;</td>
<td>Grounding Provisions Door ground strap and terminal strip for chassis ground</td>
</tr>
<tr>
<td>30&quot; x 30&quot; x 18&quot;</td>
<td>Door Stops Integrated door wind guard stop on each door.</td>
</tr>
<tr>
<td>31&quot; x 30&quot; x 28&quot;</td>
<td>Mounting Plinth 12&quot; tall mounting plinth with front &amp; rear access panels for slack storage.</td>
</tr>
</tbody>
</table>

**MATERIALS, FINISH & STANDARDS**

- Constructed out of .125" thick 5052-H32 Aluminum. All surfaces powder coated light textured beige, outdoor rated TGIC. Designed and built to NEMA 4 Standards.
- Rack rails are constructed out of 12 gauge galvanized steel and powder coated matte black and labeled with RU designations. Rails designed to EIA standards, fiber routing spoons are included within the vertical length on each side of rack for cable management.
- All cabinet fasteners, handles & latching mechanisms are stainless steel.
- Gasket material is UL 94 rated for gasketing & sealing applications under UL50 and UL508.
- 1.5" open 16 ga. (.060" thick) stainless steel piano hinge with 1/8" diameter pin and 1/2" knuckles.
- Heyco liquid tight EPDM snap-in bushings for sealing applications up to IP67. Temperature range from -40°F (-40°C) to 200°F (93°C).
- 6AWG braided cable door grounding strap secured to masked studs. 6 position aluminum terminal strip mounted to interior bottom, (2) optional positions available.
- Custom door wind guards constructed out of 304 stainless steel. Holds door open at approximately 95°, lift to close.
- Plinth is constructed out of .125 thick 5052-H32 aluminum. All surfaces powder coated light textured beige, outdoor rated TGIC. Front & rear access panels are secured with 216 hex head security screws. CAN wrench/hex key provided.

**ENCLOSURE SIZE**

<table>
<thead>
<tr>
<th>ENCLOSURE SIZE</th>
<th>CAPACITY</th>
<th>WEIGHT</th>
<th>ETL CERTIFICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>30&quot; x 30&quot; x 18&quot;</td>
<td>144/288 Distribution - 14RU</td>
<td>120 lbs (Empty Cabinet)</td>
<td>UL 50</td>
</tr>
<tr>
<td>36&quot; x 30&quot; x 18&quot;</td>
<td>432 Distribution - 19RU</td>
<td>130 lbs (Empty Cabinet)</td>
<td>UL 50E</td>
</tr>
<tr>
<td>42&quot; x 30&quot; x 18&quot;</td>
<td>576 Distribution - 22RU</td>
<td>145 lbs (Empty Cabinet)</td>
<td>CSA C22.2#94.1</td>
</tr>
<tr>
<td>31&quot; x 30&quot; x 28&quot;</td>
<td>864 Distribution - 39RU</td>
<td>160 lbs (Empty Cabinet)</td>
<td>CSA C22.2#94.2</td>
</tr>
</tbody>
</table>

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Web: www.amprod.us
**AP LIBERTY® Pole Mount Technical Specifications**

<table>
<thead>
<tr>
<th>ENCLOSURE SIZE</th>
<th>CAPACITY</th>
<th>WEIGHT</th>
<th>ETL CERTIFICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>28”T x 18”W x 18”D</td>
<td>144/288 Distribution - 7RU (Vertical Rack)</td>
<td>110 lbs (Empty Cabinet)</td>
<td>UL 50 / 50E, CSA C22.2#94.1</td>
</tr>
<tr>
<td>34”T x 24”W x 18”D</td>
<td>288/432 Distribution - 17RU (Horizontal Rack)</td>
<td>150 lbs (Empty Cabinet)</td>
<td>CSA C22.2#94.2</td>
</tr>
</tbody>
</table>

**FEATURE** | **DESCRIPTION** | **MATERIALS, FINISH & STANDARDS** |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Cabinet Construction</td>
<td>Cabinet walls, top, bottom &amp; door frames are of welded aluminum construction.</td>
<td>Constructed out of .125&quot; thick 5052-H-32 Aluminum. All surfaces powder coated light textured beige, outdoor rated TGIC. Designed and built to NEMA 4 Standards.</td>
</tr>
<tr>
<td>Interior Rack</td>
<td>19” vertical equipment rack with 7RU of equipment space. Rack rails are designed to accept 12-24 floating cage nuts. 12-24 screws, washers and cage nuts included with the cabinet. Racks are adjustable front to back.</td>
<td>Rack rails are constructed out of 12 gauge galvanized steel and powder coated matte black and labeled with RU designations. Rails designed to EIA standards, fiber routing spools are included within the vertical length on each side of rack for cable management.</td>
</tr>
<tr>
<td>Door handle/Latch</td>
<td>3-point pad lockable door latch &amp; handle</td>
<td>All cabinet fasteners, handles &amp; latching mechanisms are stainless steel</td>
</tr>
<tr>
<td>Door Gasket Seal</td>
<td>Flat gasket 3/4” wide &amp; 1/4” thick with PSA backing applied to the interior perimeter of both front and rear doors.</td>
<td>Gasket material is UL 94 rated for gasketing &amp; sealing applications under UL50 and UL508.</td>
</tr>
<tr>
<td>Door Hinge</td>
<td>Continuous piano hinge running full length of door</td>
<td>1.5” open 16 ga. (.060” thick) stainless steel piano hinge with 1/8” diameter pin and 1/2” knuckles</td>
</tr>
<tr>
<td>Cable Entrances</td>
<td>Up to (6) sealing glands for cables ranging up to 3/4” diameter. Includes custom strain relief brackets with strength member clamping provisions.</td>
<td>Heyco liquid tight break-thru nylon cordgrips with TPE sealing glands. Rated and approved for sealing applications under NEMA 4, 4X, 6 &amp; 6P and up to IP68. UL listed 94V-2 standard, temperature range from -40°F (-40°C) to 239°F (100°C).</td>
</tr>
<tr>
<td>Grounding Provisions</td>
<td>Door ground strap and terminal strip for chassis ground</td>
<td>6AWG braided cable door grounding strap secured to masked studs. 6 position aluminum terminal strip mounted to interior bottom, (2) optional positions available.</td>
</tr>
<tr>
<td>Door Stops</td>
<td>Integrated door wind guard stop on each door.</td>
<td>Custom door wind guards constructed out of 304 stainless steel. Holds door open at approximately 95°, lift to close.</td>
</tr>
<tr>
<td>Pole Mount / Wall Mount Bracket Kit</td>
<td>Mounting kit converts from wall mounting to pole mounting with the addition of a pole mounting channel. User friendly lift off design.</td>
<td>Pole/Wall mount brackets made from .125” thick 5052-H32 aluminum &amp; powder coated light textured beige. All stainless steel hardware.</td>
</tr>
<tr>
<td>Top cable entrance Hood</td>
<td>Top hood to protect cables entering and exiting the cabinet from damage. Attaches to the top solar shield and protects the cables from the bottom of the U-Guard/conduit until they enter the cabinet.</td>
<td>Top cable entrance hood constructed out of .125” thick 5052-H32 aluminum and powder coated light textured beige to match the cabinet. Hood is secured to the cabinet with stainless security screws, security tool/bit is supplied with the cabinet.</td>
</tr>
<tr>
<td>Optional Mounting Plinth</td>
<td>12” tall mounting plinth with front &amp; rear access panels for slack storage.</td>
<td>Plinth is constructed out of .125 thick 5052-H32 aluminum. All surfaces powder coated light textured beige, outdoor rated TGIC. Front &amp; rear access panels are secured with 216 hex head security screws. CAN wrench/hex key provided.</td>
</tr>
</tbody>
</table>
.125 Aircraft Grade Aluminum: Outstanding corrosion resistance.

NEMA Protection: Protection Level Type 6. This enclosure is protected from entry of water during occasional submersion.

Stainless Steel Hardware: We choose the highest quality materials to produce our enclosures. Type 304 stainless steel hardware will not rust in the field.

GR487 Powder Coat: Enclosures are powder coated and tested to the Telcordia GR487 specifications for telecom enclosures.

Numbered Relay Racks: 19” Swing Rack

Below Grade: Provides water intrusion protection when fully submerged below grade.

Ground Terminal Strip: 7 position aluminum grounding strip.

Locking: Extremely secure, strong and impermeable. Lockable handle and hinges are made from Type 304 stainless steel.

Lifting Eyes: Crane ready lifting eyes for a convenient way to offload and position your enclosure.
**AP NAUTILUS® Quick Solution Options**

**LGX Style**
- Splitters
- Splice Trays
- Adapter Plates

**Splice Trays**
- 12 Count
- 24 Count

**Cassette Splitters**
- 1x8
- 1x16
- 1x32
- 2x32
- 1x64

**Mount Options**
- Vault
- 48”L x 36”D x 36”W

**Fiber Pigtail**
- Pre-Connectorized SC APC
- Fiber Count 12, 24, 36, 48, 72, 96, 144
- Loose Tube, Armored
- 50’ or 100’

Call For Additional Options and Configurations

Call a Sales Representative for Assistance.
Basic Layout

<table>
<thead>
<tr>
<th>MOUNT</th>
<th>PORTS</th>
<th>HEIGHT</th>
<th>WIDTH</th>
<th>DEPTH</th>
<th>SPLITTER CAPACITY</th>
<th>FIBER INPUT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Below Grade</td>
<td>Up to 288</td>
<td>24&quot;</td>
<td>24&quot;</td>
<td>18&quot;</td>
<td>18</td>
<td>Up to 48</td>
</tr>
</tbody>
</table>

Try the Online Configurator to Design Your Own!

How to Order

Call a Sales Representative for Assistance.

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417-736-2135
Toll Free: 855-736-2135
Web: www.amprod.us
### FEATURE DESCRIPTION MATERIALS, FINISH & STANDARDS

#### Cabinet Construction
- Cabinet walls, top, bottom, doors & door frames are of fully sealed welded aluminum construction.
- Constructed out of .125" thick 5052-H-32 Aluminum. All surfaces powder coated smooth beige, outdoor rated TGIC. Designed, built and tested to NEMA 6 Standards, NEMA 250 section 5.12 (submersion).

#### Interior Swing-out 9RU 19” rack frame
- 19” swing-out equipment rack frame (9RU).
- Rack rails are designed to accept 12-24 floating cage nuts. 12-24 screws, washers and cage nuts included with the cabinet. Fiber troughs and routing saddles are included within the vertical length on each side of rack for cable management. Additional cable tie slots on all sides included. 9RU Swing-out rack frame secured with custom slam latching mechanism.
- Rack rails are constructed out of 12 gauge galvanized steel and powder coated matte black and labeled with RU designations. Rack frame designed to EIA standards.

#### Door handle/Latch
- 4-sided proprietary single handle sealed pad lockable door latch heavy duty handle. Patent Pending
- 4 point submersible compression latching system designed, built and tested to NEMA 6 standards. All handles, fasteners and latching components are made from stainless steel.

#### Door Gasket Seal
- Unique double bulb gasket seal with PSA backing applied to the interior perimeter of both door & door frame for durable submersible sealing applications.
- Gasket material is UL 50 & FMVSS 302 rated EPDM closed cell foam for gasketing & sealing applications compliant to NEMA 6P (submersion). 1.5” open 16 ga. (.060” thick) stainless steel piano hinge with 1/8” diameter pin and 1/2” knuckles. Hinge attached with sealed stainless fasteners.

#### Door Hinge
- Continuous piano hinge running full length of left side of the door
- 1.5” open 16 ga. (.060” thick) stainless steel piano hinge with 1/8” diameter pin and 1/2” knuckles. Hinge attached with sealed stainless fasteners.

#### Cable Entrances
- (3) sealing glands for cables ranging up to 3/4” diameter. Includes custom strain relief brackets with strength member clamping provisions.
- Heyco liquid tight break-thru nylon cordgrips with TPE sealing glands. Rated and approved for sealing applications under NEMA 4, 4X, 6 & 6P and up to IP68. UL listed 94V-2 standard, temperature range from -40°F (-40°C) to 239°F (100°C).

#### Grounding Provisions
- Door ground strap, terminal strip for chassis ground and masked grounding positions for cabinet components.
- 6AWG braided cable door grounding strap secured to masked studs. 7 position aluminum terminal strip mounted to interior left side wall, masked areas for grounding the cabinet assembly to the mounting frame/ lift assist assembly and for bonding incoming shielded cables.

#### Door Stops
- Integrated door wind guard stop on sealed door.
- Custom door wind guards constructed out of 304 stainless steel. Holds door open at approximately 95°, lift to close.

#### Mounting frame with Lift-Assist
- Nautilus cabinets and mounting frames will come factory installed into vaults. Frames will include factory installed proprietary lift assist mechanism with locking provisions to secure the cabinet in both the closed and upright (service) positions.
- Mounting frame is constructed out of 12 & 8 gauge galvanized steel structural components and 14 gauge galvanized steel frame members, bolted construction. All stainless fasteners utilized.

#### Patent
- Pat. 10,362,710 B2

---

### ENCLOSURE SIZE CAPACITY WEIGHT

<table>
<thead>
<tr>
<th>ENCLOSURE SIZE</th>
<th>CAPACITY</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>24”T x 24”W x 18”D</td>
<td>144/288 Distribution - 9RU (Swing-Out Rack)</td>
<td>100 lbs - (Empty Cabinet), 145 lbs. - (Mounting Frame)</td>
</tr>
</tbody>
</table>

---

Call a Sales Representative for Assistance.

597 Evergreen Road
Strafford MO 65757
417-736-2135
Toll Free: 855-736-2135
Web: www.amprod.us
AP UNITY™
Outdoor Wallmount MDU Fiber Distribution Enclosures

American Products
Turn-Key Enclosure Solutions
**AP UNITY™ Standard Offerings**

- **NEMA Protection**: Protection Level Type 3R. This enclosure protects against rain, sleet, snow, splashing water and damage from external ice formation.

- **.125” Aluminum**: High Strength to Weight Ratio

- **Stainless Steel Hardware**: We choose the highest quality materials to produce our enclosures. Type 304 stainless steel hardware will not rust in the field.

- **GR487 Powder Coat**: Enclosures are powder coated and tested to the Telcordia GR487 specifications for telecom enclosures.

- **Locking**: Extremely secure, strong and impermeable. Lockable handles and hinges are made from Type 304 stainless steel.

**Standard Color / finish choices:**
Colors shown here are approximate.

- Beige
- White
- Grey
- Custom

Interior w/ Optional SC/APC Connectors

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AP UNITY™ Series

= Freedom to Choose

Choose Technology That is Right for the Application

AP UNITY™ Quick Solution Options

**LGX Style**
- Splitters
- Splice Trays
- Adapter Plates

**Splice Trays**
- 12 Count
- 24 Count

**Cassette Splitters**
- 1x8
- 1x16
- 1x32
- 2x32
- 1x64

**Mount Options**
- Wall Mount

**Fiber Pigtail**
- Pre-Connectorized SC APC
- Fiber Count 12, 24, 36, 48, Loose Tube
- 100’

Call For Additional Options and Configurations
### Basic Layout

![Diagram of ENC-0153 enclosure]

- **MOUNT**: Wall Only
- **PORTS**: Up to 48
- **HEIGHT**: 21.14"
- **WIDTH**: 12.5"
- **DEPTH**: 5.19"
- **SPLITTER CAPACITY**: 3
- **FIBER INPUT**: Up to 24

### How to Order

<table>
<thead>
<tr>
<th>MOUNT</th>
<th>PORTS</th>
<th>HEIGHT</th>
<th>WIDTH</th>
<th>DEPTH</th>
<th>SPLITTER CAPACITY</th>
<th>FIBER INPUT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wall Only</td>
<td>Up to 48</td>
<td>21.14&quot;</td>
<td>12.5&quot;</td>
<td>5.19&quot;</td>
<td>3</td>
<td>Up to 24</td>
</tr>
</tbody>
</table>

Call a Sales Representative for Assistance.

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Toll Free: 855-736-2135
Web: www.amprod.us
### AP UNITY™

#### Technical Specifications

<table>
<thead>
<tr>
<th>COMPONENT FEATURE</th>
<th>DESCRIPTION</th>
<th>MATERIALS, FINISH &amp; STANDARDS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cabinet Construction</strong></td>
<td>Cabinet walls, top, bottom &amp; sides are bolted/riveted construction with front and rear access doors. Cabinets are stackable.</td>
<td>Constructed out of .125 aluminum. Powder coating is tested to GR487 compliance. Designed and built to NEMA 3R standards.</td>
</tr>
<tr>
<td><strong>Door handle/Latch</strong></td>
<td>Key-lockable 1/4-turn latches</td>
<td>Stainless Steel 1/4-turn latches can be keyed alike.</td>
</tr>
<tr>
<td><strong>Door Hinge</strong></td>
<td>Continuous piano hinge running full length of door</td>
<td>1.5” open 16 ga. (.060” thick) stainless steel piano hinge with 1/8” diameter pin and 1/2” knuckles</td>
</tr>
<tr>
<td><strong>Cable Entrances</strong></td>
<td>Up to 6 sealing glands for cables ranging from 3/4” to 1” diameter. Includes custom strain relief brackets with strength member clamping provisions.</td>
<td>Heyco liquid tight EPDM snap-in bushings for sealing applications up to IP67. Temperature range from -40°F (-40°C) to 200°F (93°C).</td>
</tr>
<tr>
<td><strong>Grounding provisions</strong></td>
<td>Aluminum terminal strip for chassis ground</td>
<td>7 position aluminum terminal strip mounted to interior bottom for chassis grounding/bonding.</td>
</tr>
</tbody>
</table>

### ENCLOSURE SIZE MOUNT TYPE CAPACITY EST. WEIGHT

<table>
<thead>
<tr>
<th>ENCLOSURE SIZE</th>
<th>MOUNT TYPE</th>
<th>CAPACITY</th>
<th>EST. WEIGHT</th>
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</thead>
<tbody>
<tr>
<td>21.14&quot;T x 12.5&quot;W x 4.7&quot;D</td>
<td>Wall</td>
<td>48 SCA Distribution</td>
<td>15 lbs (Empty Cabinet)</td>
</tr>
</tbody>
</table>

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AMERICAN PRODUCTS

Turn-Key Enclosure Solutions

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Fiber Optic
Wall Mount Splice Storage Enclosure

Features
• Heavy gauge aluminum construction with powder coat paint finish and stainless steel hardware.
• A padlock hasp is located on the top of the enclosure.

Benefits
• Corrosion resistant for long life.
• Powder coat paint process provides superior resistance to chipping from dents and scratches.

Available Colors
• Black or white

AM-50-SDC
12 Tray Capacity Splice & Cable Storage

The American Products AM 50 SDC cabinet is designed to transition outdoor rated cable to indoor rated cable by housing up to 12 splice trays. The cabinet can also store up to 75 feet of fiber optic cable. Cable entry can be made from the top or bottom of the enclosure through a unique entry port that transforms into a slot for fast and easy cable tie down. The cable slot also provides easy access for pre-terminated or breakout cable by eliminating difficult feed through installations.

The dual door design provides security through the use of a SEMS bolt requiring a 7/16” nut driver for access. The facilities door is secured with a unique security bolt. A padlock hasp is provided for added security. An accessory packet is included with each enclosure containing 14 tie wraps, 10 cable routing clips, and one security bolt tool.
AM-50-SDC
Wall Mount Splice and Cable Storage Enclosure

ORDERING
Wall Mount Storage Enclosure
AM-50-SDC - XXX

Color
WHT - white
BLK - black

Technical Specifications

<table>
<thead>
<tr>
<th></th>
<th>AM-50-SDC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Catalog Number</td>
<td>AM-50-SDC</td>
</tr>
<tr>
<td>Height</td>
<td>21.5</td>
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<td>Width</td>
<td>21.5</td>
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<tr>
<td>Depth</td>
<td>6.5</td>
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<tr>
<td>Adapter Capacity</td>
<td>0</td>
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<tr>
<td>Splice Tray Capacity</td>
<td>12</td>
</tr>
</tbody>
</table>
Fiber Optic Indoor Rack Mount Enclosure

Features
- Hinged Lexan front and aluminum rear doors.
- Cable clamp brackets for easy cable tie down.
- Removable top access panel.

Benefits
- Corrosion resistant for long life.
- Powder coat paint process provides superior resistance to chipping from dents and scratches.
- On cabinet fits 19” or 23” racks and 1” and 1.75” hole spacing.

Available Colors
- Black or white

AM-80-SB
4RU, 9 Tray Capacity Splice Storage Enclosure

The American Products AM-80-SB is used to house up to 6 fiber splice trays. The cabinet will splice up to 108 fibers. It has internal cable routing guides for ease of handling entrance cables. The AM-80-SB can also be affixed to the AM-8012 for a combination of splicing and termination.

The enclosure has reversible mounting tabs for 19” or 23” equipment racks and a smoked Lexan door. The enclosure is an all aluminum construction with a central office white or black powder coat paint finish.
AM-80-SB
Rack Mount Cabinet – 9 Splice Tray Capacity

ORDERING
Indoor Rack Mount Enclosure
AM-80-SB - XXX

Color
WHT - white
BLK - black

American Fiber Distribution
Series 80 Enclosure

Technical Specifications

<table>
<thead>
<tr>
<th></th>
<th>AM-80-SB</th>
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<td>Depth</td>
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<tr>
<td>Adapter Capacity</td>
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</tr>
<tr>
<td>Splice Tray Capacity</td>
<td>9</td>
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</tbody>
</table>
Fiber Optic Outdoor Wall Mount Enclosure

Features
• Heavy gauge aluminum construction with powder coat paint finish and stainless steel hardware.
• A padlock hasp is located on the side of the enclosure.
• Adapter plates can be added to the AM-104 in all popular adapter sizes.

Benefits
• Corrosion resistant for long life.
• Powder coat paint process provides superior resistance to chipping from dents and scratches.

Available colors
• Black or white

AM-104
4 Plate, 24 Adapter Capacity

The AM-104 is designed for medium fiber counts in a splice and terminate or terminate only configuration. Four adapter plates can be ordered separately or loaded into the panel for added simplicity. Cable entry is accessed from the bottom of the enclosure through a unique entry port which transforms into a slot for fast and easy cable tie down. The cable slot also provides easy access for pre-terminated or breakout cable by eliminating difficult feed through installations.

The AM-104 series enclosures feature a single outer door with internal gasketing, a rain cap with screened vents, and all stainless steel hardware.

A second inner door provides security for the facilities side of the outside plant cable with a unique security bolt. A padlock hasp is provided on the outside of the box for added security.

An accessory pack is provided with each enclosure containing six tie wraps, ten cable routing clips, and one security bolt tool.
## AM-104 Wall Mount Cabinet 24 Adapter Capacity

Fiber Optic Distribution Enclosures

### Technical Specifications

<table>
<thead>
<tr>
<th></th>
<th>AM-104</th>
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</thead>
<tbody>
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<td>Depth</td>
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</tr>
<tr>
<td>Splice Tray Capacity</td>
<td>4</td>
</tr>
</tbody>
</table>

### Part Number Matrix for AM Series Loaded/Unloaded Fiber Optic Adapter Plates

**Loaded Plates**

- AM - L XX X X XXX
  - Color: WHT - white, BLK - black
  - Adapter Body Color:
    - T (Tan/Beige)
    - B (Blue)
    - A (Aqua)
    - G (Green)
  - Adapters: 6 Adapters - 8 Adapters
  - Add if required: D (Duplex) - Q (Quad)

**Empty Plates**

- AM - N XX X XXX
  - Color: WHT - white, BLK - black
  - Adapters: 6 Adapters - 8 Adapters
  - Add if required: D (Duplex) - Q (Quad)

**Blank Plates**

- AM - BLANK XXX
  - Blank Plate
  - Color: WHT - white, BLK - black

### Adapter Body Color Scheme:

- Tan/Beige - Multi-mode, Phos. Bronze Sleeve
- Blue - Single-mode, Ceramic Sleeve
- Aqua - Multi-mode (10 GIG), Phos. Bronze Sleeve
- Green - Single-mode (APC), Ceramic Sleeve

*SC Duplex and LC Quad adapters only available in quantity of 6 adapters per plate.*
Fiber Optic Outdoor Wall Mount Enclosure

Features
- Heavy gauge aluminum construction with powder coat paint finish and stainless steel hardware.
- A padlock hasp is located on the side of the enclosure.
- Adapter plates can be added to the AM-106 in all popular adapter sizes.

Benefits
- Corrosion resistant for long life.
- Powder coat paint process provides superior resistance to chipping from dents and scratches.

Available colors
- Black or white

AM-106
6 Plate, 48 Adapter Capacity

The AM-106 is designed for medium fiber counts in a splice and terminate or terminate only configuration. Six adapter plates can be ordered separately or loaded into the panel for added simplicity. Cable entry is accessed from the bottom of the enclosure through a unique entry port which transforms into a slot for fast and easy cable tie down. The cable slot also provides easy access for pre-terminated or breakout cable by eliminating difficult feed through installations.

The AM-106 series enclosures feature a single outer door with internal gasketing, a rain cap with screened vents, and all stainless steel hardware.

A second inner door provides security for the facilities side of the outside plant cable with a unique security bolt. A padlock hasp is provided on the outside of the box for added security.

An accessory pack is provided with each enclosure containing six tie wraps, ten cable routing clips, and one security bolt tool.
ORDERING

Indoor Wall Mount Enclosure
AM-10 X - XXX

- Color
  - WHT - white
  - BLK - black

- Adapter plate capacity
  - 4 adapter plate capacity
  - 6 adapter plate capacity

American Fiber Distribution
Series 10 Enclosure

Technical Specifications

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>AM-106</th>
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<tr>
<td>Height</td>
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<td>Width</td>
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<td>Depth</td>
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<tr>
<td>Adapter Capacity</td>
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</tr>
<tr>
<td>Splice Tray Capacity</td>
<td>4</td>
</tr>
</tbody>
</table>

Part Number Matrix for AM Series Loaded/Unloaded Fiber Optic Adapter Plates

Loaded Plates
AM - L X X X X XXX

- Type
  - SC
  - ST
  - LC
  - FC

- Adapter Body Color
  - T (Tan/Beige)
  - B (Blue)
  - A (Aqua)
  - G (Green)

- *Adapters
  - 6 Adapters
  - 8 Adapters

- *Add if required
  - D (Duplex)
  - Q (Quad)

- L (Loaded)

Empty Plates
AM - N X X X XXX

- Type
  - SC
  - ST
  - LC
  - FC

- Add if required
  - D (Duplex)
  - Q (Quad)

- N (No Adapters)

Blank Plates
AM - BLANK XXX

- Blank Plate

Adapter Body Color Scheme:
- Tan/Beige - Multi-mode, Phos. Bronze Sleeve
- Blue - Single-mode, Ceramic Sleeve
- Aqua - Multi-mode (10 GIG), Phos. Bronze Sleeve
- Green - Single-mode (APC), Ceramic Sleeve

*SC Duplex and LC Quad adapters only available in quantity of 6 adapters per plate.

Call a Sales Representative for Assistance.
Fiber Optic Indoor Wall Mount Enclosure

**Features**
- Heavy gauge aluminum construction with powder coat paint finish and stainless steel hardware.
- A padlock hasp is located on the top of the enclosure.
- Adapter plates can be added to the AM-202 panel in all popular adapter types.
- Available in black or white

**Benefits**
- Corrosion resistant for long life.
- Powder coat paint process provides superior resistance to chipping from dents and scratches.
- The units are stackable to allow for future expansion of your network without changing construction standards.

**AM-202**
2 Plate, 12 Adapter Capacity

American Products 16 fiber capacity wall mount cabinet provides long-lasting protection for fiber optic components. Constructed of powder-coated aluminum with stainless steel hardware, the cabinets resist corrosion and chips from dents and scratches.

The AM-202 enclosure is designed for indoor wall mount applications to terminate low fiber counts. Cable entry can be from the top or bottom of the enclosure through a unique entry port which transforms into a slot for fast and easy tie down. The cable slot also provides easy access for pre-terminated or breakout cable by eliminating difficult feed through installations.

The dual door design provides security with a SEMS bolt requiring a 7/16” nut driver for access, unique security bolt, and a padlock hasp.

Units are stackable to allow easy network expansion. An accessory packet is included with each enclosure containing sufficient tie wraps, cable routing clips, and a security bolt tool.
AM-202
Wall Mount Cabinet 12 Fiber Capacity

Fiber Optic Distribution Enclosures

Ordering
Indoor Wall Mount Enclosure
AM-20 X - XXX

Color
WHT - white
BLK - black

Adapter plate capacity
- 2 adapter plate capacity
- 6 adapter plate capacity

American Fiber Distribution
Series 20 Enclosure

Technical Specifications

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>AM-202</th>
</tr>
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<tr>
<td>Height</td>
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<tr>
<td>Width</td>
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<tr>
<td>Depth</td>
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<tr>
<td>Adapter Capacity</td>
<td>12</td>
</tr>
<tr>
<td>Splice Tray Capacity</td>
<td>2</td>
</tr>
</tbody>
</table>

Part Number Matrix for AM Series Loaded/Unloaded Fiber Optic Adapter Plates

Loaded Plates

AM-L XX X X X XXX

Type
- SC
- ST
- LC
- FC

Color
WHT - white
BLK - black

Adapter Body Color
- T (Tan/Beige)
- B (Blue)
- A (Aqua)
- G (Green)

Adapters
- 6 Adapters
- 8 Adapters

*SC Duplex and LC Quad adapters only available in quantity of 6 adapters per plate.

Empty Plates

AM-N XX X X XXX

Type
- SC
- ST
- LC
- FC

Color
WHT - white
BLK - black

Adapters
- 6 Adapters
- 8 Adapters

Blank Plates

AM-BLANK XXX

Blank Plate

Color
WHT - white
BLK - black

Adapter Body Color Scheme:
Tan/Beige - Multi-mode, Phos. Bronze Sleeve
Blue - Single-mode, Ceramic Sleeve
Aqua - Multi-mode (10 GIG), Phos. Bronze Sleeve
Green - Single-mode (APC), Ceramic Sleeve
Other colors available, minimum orders may apply.

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Turn-Key Enclosure Solutions

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Strafford MO 65757
417-736-2135
Toll Free: 855-736-2135
Web: www.amprod.us

95
Fiber Optic Indoor Wall Mount Enclosure

Features
- Heavy gauge aluminum construction with powder coat paint finish and stainless steel hardware.
- A padlock hasp is located on the top of the enclosure.
- Adapter plates can be added to the AM-206 panel in all popular adapter types.
- Available in black or white

Benefits
- Corrosion resistant for long life.
- Powder coat paint process provides superior resistance to chipping from dents and scratches.
- The units are stackable to allow for future expansion of your network without changing construction standards.

AM-206
6 Plate, 48 Adapter Capacity

American Products 48 adapter capacity wall mount cabinets provide long-lasting protection for fiber optic components. Constructed of powder-coated aluminum with stainless steel hardware, the cabinets resist corrosion and chips from dents and scratches.

The AM-206 enclosure is designed for indoor wall mount applications to terminate low fiber counts. Cable entry can be from the top or bottom of the enclosure through a unique entry port which transforms into a slot for fast and easy tie down. The cable slot also provides easy access for pre-terminated or breakout cable by eliminating difficult feed through installations.

The dual door design provides security with a SEMS bolt requiring a 7/16” nut driver for access, unique security bolt, and a padlock hasp.

Units are stackable to allow easy network expansion. An accessory packet is included with each panel containing six tie wraps, ten cable routing clips, and one security bolt tool.
**ORDERING**

**Indoor Wall Mount Enclosure**

AM-20 X - XXX

- **Color**
  - WHT - white
  - BLK - black

- **Adapter plate capacity**
  - 2 adapter plate capacity
  - 6 adapter plate capacity

**American Fiber Distribution Series 20 Enclosure**

---

**Technical Specifications**

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>AM-206</th>
</tr>
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<tbody>
<tr>
<td><strong>Height</strong></td>
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<td><strong>Width</strong></td>
<td>15.9</td>
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<td><strong>Depth</strong></td>
<td>5.3</td>
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<tr>
<td><strong>Adapter Capacity</strong></td>
<td>48</td>
</tr>
<tr>
<td><strong>Splice Tray Capacity</strong></td>
<td>4</td>
</tr>
</tbody>
</table>

---

**Part Number Matrix for AM Series Loaded/Unloaded Fiber Optic Adapter Plates**

**Loaded Plates**

AM-L XX X X XXX

- **Adapter Body Color**
  - T (Tan/Beige)
  - B (Blue)
  - A (Aqua)
  - G (Green)

- **Adapters**
  - 6 Adapters
  - 8 Adapters

- **Add if required**
  - D (Duplex)
  - Q (Quad)

**Empty Plates**

AM-N XX X XXX

- **Adapters**
  - 6 Adapters
  - 8 Adapters

- **Add if required**
  - D (Duplex)
  - Q (Quad)

**Blank Plates**

AM-BLANK XXX

- **Blank Plate**

---

**Adapter Body Color Scheme:**

- Tan/Beige - Multi-mode, Phos. Bronze Sleeve
- Blue - Single-mode, Ceramic Sleeve
- Aqua - Multi-mode (10 GIG), Phos. Bronze Sleeve
- Green - Single-mode (APC), Ceramic Sleeve

*Other colors available, minimum orders may apply.*

---

**Call a Sales Representative for Assistance.**
Fiber Optic Indoor Rack Mount Enclosure

Features
- Heavy gauge aluminum construction with powder coat paint finish and stainless steel hardware.
- Adapter plates can be ordered for the AM-903 enclosure in all popular adapter types.

Benefits
- Corrosion resistant for long life.
- Powder coat paint process provides superior resistance to chipping from dents and scratches.
- One cabinet fits 19” or 23” rack and 1” and 1.75” hole spacing.

Available Colors
- Black or white

AM-903
1RU, 3 Plate, 24 Adapter Capacity

The AM-903 rack mount fiber optic enclosure provides an excellent location for the transition from outside plant loose tube gel-filled to tight buffer distribution cables.

The AM-903 is simple to use, because it allows one location for pre-terminated cables, splicing to pigtails in a pre-wired panel or direct termination.

Each AM-903 has secure cable tie bars and internal cable routing guides for ease of handling entrance cable. A completely removable slide out tray allows total access to adapters and splice trays. The AM-903 has reversible mounting tabs for 19” or 23” equipment racks and a clear Lexan front door.
AM-903
Rack Mount Cabinet
24 Adapter Capacity
Fiber Optic Distribution Enclosures

ORDERING
Indoor Rack Mount Enclosure
AM-90 X - XXX
- Color WHT - white
  BLK - black
- Adapter plate capacity
  - 3 adapter plate capacity
  - 4 adapter plate capacity

Technical Specifications

<table>
<thead>
<tr>
<th></th>
<th>AM-903</th>
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<td>Catalog Number</td>
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<tr>
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<td>1.75</td>
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<td>17</td>
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<tr>
<td>Depth</td>
<td>14</td>
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<tr>
<td>Adapter Capacity</td>
<td>24</td>
</tr>
<tr>
<td>Splice Tray Capacity</td>
<td>2</td>
</tr>
</tbody>
</table>

Part Number Matrix for AM Series Loaded/Unloaded Fiber Optic Adapter Plates

Loaded Plates

- AM-L XX X X X XXX
- Color WHT - white
  BLK - black
- Adapter Body Color
  - T (Tan/Beige)
  - B (Blue)
  - A (Aqua)
  - G (Green)
- Adapters
  - 6 Adapters
  - 8 Adapters
- Add if required
  - D (Duplex)
  - Q (Quad)
- - L (Loaded)

Empty Plates

- AM-N XX X XXX
- Color WHT - white
  BLK - black
- Adapters
  - 6 Adapters
  - 8 Adapters
- Add if required
  - D (Duplex)
  - Q (Quad)
- - N (No Adapters)

Blank Plates

- AM - BLANK XXX
- Blank Plate

Color
- WHT - white
- BLK - black

Part Number Matrix for AM Series Loaded/Unloaded Fiber Optic Adapter Plates

Adapter Body Color Scheme:
- Tan/Beige - Multi-mode, Phos. Bronze Sleeve
- Blue - Single-mode, Ceramic Sleeve
- Aqua - Multi-mode (10 GIG), Phos. Bronze Sleeve
- Green - Single-mode (APC), Ceramic Sleeve
- Other colors available, minimum orders may apply.

*SC Duplex and LC Quad adapters only available in quantity of 6 adapters per plate.
Features
• Hinged Lexan front and aluminum rear doors.
• Cable clamp brackets for easy cable tie down.
• Removable top access panel.

Benefits
• Corrosion resistant for long life.
• Powder coat paint process provides superior resistance to chipping from dents and scratches.
• On cabinet fits 19” or 23” racks and 1” and 1.75” hole spacing.

Available Colors
• Black or white

AM-804
2RU, 4 Plate
32 Adapter Capacity

The American Products AM-804 is used to terminate outside plant loose tube gel filled fibers or buffered fibers. It allows one location for pre-terminated cables or direct termination of up to 96 fibers, depending on adapter configuration. It has internal cable routing guides for ease of handling entrance cables.

The enclosure has reversible mounting tabs for 19” or 23” equipment racks and a smoked Lexan door. The enclosure is an all aluminum construction with a central office white or black powder coat paint finish.
AM-804
Rack Mount Cabinet
32 Adapter Capacity

Fiber Optic Distribution Enclosures

Call a Sales Representative for Assistance.

ORDERING
Indoor Rack Mount Enclosure
AM-80 X - XXX

- Color
  WHT - white
  BLK - black

- Adapter plate capacity
  - 4 adapter plate capacity
  - 12 adapter plate capacity

Technical Specifications

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<tr>
<th>Catalog Number</th>
<th>AM-804</th>
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<tr>
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<td>17</td>
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<td>Depth</td>
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<tr>
<td>Adapter Capacity</td>
<td>32</td>
</tr>
<tr>
<td>Splice Tray Capacity</td>
<td>2</td>
</tr>
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Part Number Matrix for AM Series Loaded/Unloaded Fiber Optic Adapter Plates

Loaded Plates

<table>
<thead>
<tr>
<th>AM - L XX</th>
<th>X X</th>
<th>X XXX</th>
</tr>
</thead>
</table>

- Color
  WHT - white
  BLK - black

- Adapter Body Color
  - T (Tan/Beige)
  - B (Blue)
  - A (Aqua)
  - G (Green)

- Adapters
  - 6 Adapters
  - 8 Adapters

- Add if required
  - D (Duplex)
  - Q (Quad)

- L (Loaded)

Empty Plates

<table>
<thead>
<tr>
<th>AM - N XX</th>
<th>X X</th>
<th>XXX</th>
</tr>
</thead>
</table>

- Color
  WHT - white
  BLK - black

- Adapters
  - 6 Adapters
  - 8 Adapters

- Add if required
  - D (Duplex)
  - Q (Quad)

- N (No Adapters)

Blank Plates

<table>
<thead>
<tr>
<th>AM - BLANK XX</th>
<th>XXX</th>
</tr>
</thead>
</table>

- Color
  WHT - white
  BLK - black

- Blank Plate

Adapter Body Color Scheme:
Tan/Beige - Multi-mode, Phos. Bronze Sleeve
Blue - Single-mode, Ceramic Sleeve
Aqua - Multi-mode (10 GIG), Phos. Bronze Sleeve
Green - Single-mode (APC), Ceramic Sleeve
Other colors available, minimum orders may apply.

*SC Duplex and LC Quad adapters only available in quantity of 6 adapters per plate.
Fiber Optic Indoor Rack Mount Enclosure

Features
- Heavy gauge aluminum construction with powder coat paint finish and stainless steel hardware.
- Adapter plates can be ordered for the AM-906 enclosure in all popular adapter types.

Benefits
- Corrosion resistant for long life.
- Powder coat paint process provides superior resistance to chipping from dents and scratches.
- One cabinet fits 19” or 23” rack and 1” and 1.75” hole spacing.

Available Colors
- Black or white

AM-906
2RU, 6 Plate, 48 Adapter Capacity

The AM-906 rack mount fiber optic enclosure provides an excellent location for the transition from outside plant loose tube gel-filled to tight buffer distribution cables.

The AM-906 is simple to use, because it allows one location for pre-terminated cables, splicing to pigtails in a pre-wired panel or direct termination.

Each AM-906 has secure cable tie bars and internal cable routing guides for ease of handling entrance cable. A completely removable slide out tray allows total access to adapters and splice trays.

The AM-906 has reversible mounting tabs for 19” or 23” equipment racks and a clear Lexan front door.
**ORDERING**

Indoor Rack Mount Enclosure

**AM-90 X - XXX**

- **Color**
  - WHT - white
  - BLK - black

- **Adapter plate capacity**
  - 3 adapter plate capacity
  - 4 adapter plate capacity

**American Fiber Distribution Series 90 Enclosure**

---

**Technical Specifications**

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>AM-906</th>
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<tbody>
<tr>
<td><strong>Height</strong></td>
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<td><strong>Depth</strong></td>
<td>14</td>
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<tr>
<td><strong>Adapter Capacity</strong></td>
<td>48</td>
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<tr>
<td><strong>Splice Tray Capacity</strong></td>
<td>4</td>
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---

**Part Number Matrix for AM Series Loaded/Unloaded Fiber Optic Adapter Plates**

**Loaded Plates**

- **AM - L**
  - XX
  - X
  - X
  - XXX

- **Color**
  - WHT - white
  - BLK - black

- **Adapter Body Color**
  - T (Tan/Beige)
  - B (Blue)
  - A (Aqua)
  - G (Green)

- **Adapters**
  - 6 Adapters
  - 8 Adapters

- **Add if required**
  - D (Duplex)
  - Q (Quad)

**Empty Plates**

- **AM - N**
  - XX
  - X
  - X
  - XXX

- **Color**
  - WHT - white
  - BLK - black

- **Adapters**
  - 6 Adapters
  - 8 Adapters

- **Add if required**
  - D (Duplex)
  - Q (Quad)

**Blank Plates**

- **AM - BLANK**
  - XXX

**Color**

- WHT - white
- BLK - black

**Adapter Body Color Scheme:**

- Tan/Beige - Multi-mode, Phos. Bronze Sleeve
- Blue - Single-mode, Ceramic Sleeve
- Aqua - Multi-mode (10 GIG), Phos. Bronze Sleeve
- Green - Single-mode (APC), Ceramic Sleeve

*Other colors available; minimum orders may apply.*

*SC Duplex and LC Quad adapters only available in quantity of 6 adapters per plate.*

---

Call a Sales Representative for Assistance.
Fiber Optic Indoor Rack Mount Enclosure

Features
- Hinged Lexan front and aluminum rear doors.
- Cable clamp brackets for easy cable tie down.

Benefits
- Corrosion resistant for long life
- Powder coat paint process provides superior resistance to chipping from dents and scratches.
- On cabinet fits 19” or 23” racks and 1” and 1.75” hole spacing.

Available Colors
- Black or white

AM-8012
4RU, 12 Plate
96 Adapter Capacity

The American Products AM-8012 is used to terminate outside plant loose tube gel filled fibers or buffered fibers. It allows one location for pre-terminated cables or direct termination of up to 288 fibers, depending on adapter configuration. It has internal cable routing guides for ease of handling entrance cable.

The enclosure has reversible mounting tabs for 19” or 23” equipment racks and a smoked Lexan door. The enclosure is an all aluminum construction with a central office white or black powder coat paint finish.
AM-8012
Rack Mount Cabinet
96 Adapter Capacity

Fiber Optic Distribution Enclosures

**ORDERING**

**Indoor Rack Mount Enclosure**

AM 80 X - XXX

**Color**
- WHT - white
- BLK - black

**Adapter plate capacity**
- 4 adapter plate capacity
- 12 adapter plate capacity

**American Fiber Distribution Series 80 Enclosure**

---

**Technical Specifications**

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>AM-8012</th>
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</thead>
<tbody>
<tr>
<td>Height</td>
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<td>Width</td>
<td>17</td>
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<tr>
<td>Depth</td>
<td>11</td>
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<tr>
<td>Adapter Capacity</td>
<td>96</td>
</tr>
<tr>
<td>Splice Tray Capacity</td>
<td>12</td>
</tr>
</tbody>
</table>

---

**Part Number Matrix for AM Series Loaded/Unloaded Fiber Optic Adapter Plates**

**Loaded Plates**

AM - L XX X X XXX

**Color**
- WHT - white
- BLK - black

**Adapter Body Color**
- T (Tan/Beige)
- B (Blue)
- A (Aqua)
- G (Green)

**Adapters**
- 6 Adapters
- 8 Adapters

**Blank Plate**

AM - BLANK XXX

**Color**
- WHT - white
- BLK - black

---

**Adapter Body Color Scheme:**

- Tan/Beige - Multi-mode, Phos. Bronze Sleeve
- Blue - Single-mode, Ceramic Sleeve
- Aqua - Multi-mode (10 GIG), Phos. Bronze Sleeve
- Green - Single-mode (APC), Ceramic Sleeve

*Other colors available, minimum orders may apply.*

---

Call a Sales Representative for Assistance.
Fiber Optic Indoor Wall Mount Enclosure

**Features**
- Hinged Lexan front door.
- Ideal for splice management, cross-connect or both.
- Top and bottom cable entry.

**Benefits**
- Corrosion resistant for long life.
- Powder coat paint process provides superior resistance to chipping from dents and scratches.
- Cost effective.

**Available Colors**
- Black or white

---

**AM-FWM**
6 Panel Interconnect & Splice Enclosure

The American Products AM-FWM is used in areas where space is at a premium and access to the environment is controlled.

The enclosure is ideal for cross-connect, splice management or both, and comes with an adapter plate that accommodates up to 12 fibers.

Alternatively, other AM adapter plates may be used to suit the application.

The enclosure is of all aluminum construction with a central office white or black powder coat paint finish and a smoked Lexan door.
### Technical Specifications

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<th>Value</th>
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<tr>
<td>Width</td>
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<tr>
<td>Depth</td>
<td>1.25</td>
</tr>
<tr>
<td>Adapter Capacity</td>
<td>± 8</td>
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<tr>
<td>Splice Capacity</td>
<td>12</td>
</tr>
</tbody>
</table>

### Part Number Matrix for AM Series Loaded/Unloaded Fiber Optic Adapter Plates

#### Loaded Plates

- **AM-L XXX**: Color `WHT - white` or `BLK - black`
- Adapter Body Color:
  - T (Tan/Beige)
  - B (Blue)
  - A (Aqua)
  - G (Green)
- Adapters:
  - 6 Adapters
  - 8 Adapters

#### Empty Plates

- **AM-N XXX**: Color `WHT - white` or `BLK - black`
- Adapters:
  - 6 Adapters
  - 8 Adapters

#### Blank Plates

- **AM-BLANK XXX**: Color `WHT - white` or `BLK - black`
- Blank Plate

### Adapter Body Color Scheme:

- Tan/Beige - Multi-mode, Phos. Bronze Sleeve
- Blue - Single-mode, Ceramic Sleeve
- Aqua - Multi-mode (10 GIG), Phos. Bronze Sleeve
- Green - Single-mode (APC), Ceramic Sleeve

*SC Duplex and LC Quad adapters only available in quantity of 6 adapters per plate.*
LGX Cassette PLC Splitter

Features
- Low Insertion Loss
- Low Polarization Dependent Loss
- Excellent Environmental Stability
- Excellent Mechanical Stability
- 1x2, 1x4, 1x8, 1x16, 1x32 Splits

Application
- Fiber to The Point (FTTX)
- Fiber to The Home (FTTH)
- Passive Optical Networks (PON)
- Local Area Networks (LAN)
- Gigabit Passive Optical Networks (GPON)
- Cable Television Networks (CATV)

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<thead>
<tr>
<th>OPTICAL PERFORMANCE</th>
<th>1X4 Port</th>
<th>1X8 Port</th>
<th>1X16 Port</th>
<th>1X32 Port</th>
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<tbody>
<tr>
<td>Operating Wavelength</td>
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<td>1260-1650 nm</td>
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<td></td>
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<tr>
<td>Insertion Loss (w/o Connector)</td>
<td>7.5 dB</td>
<td>10.7 dB</td>
<td>14.2 dB</td>
<td>17.0 dB</td>
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<tr>
<td>Insertion Loss Uniformity</td>
<td>1.0 dB</td>
<td>1.0 dB</td>
<td>1.5 dB</td>
<td>2.0 dB</td>
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<td>Polarization Dependent Loss</td>
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<td>0.15 dB</td>
<td>0.25 dB</td>
<td>0.4 dB</td>
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<tr>
<td>Directivity</td>
<td>&gt; 55 dB</td>
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<tr>
<td>Return Loss</td>
<td>&gt; 55 dB</td>
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<tr>
<td>Maximum Optical Power</td>
<td>300 MW</td>
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<tr>
<td>Operating Temperature</td>
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<tr>
<td>Storage Temperature</td>
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<td>Storage Relative Humidity</td>
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# LGX Cassette PLC Splitter

## Technical Specifications

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<th>1X8</th>
<th>1X16</th>
<th>1X32</th>
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<tbody>
<tr>
<td>Insertion Loss (w/o Connector)</td>
<td>Max dB</td>
<td>7.5 dB</td>
<td>10.7 dB</td>
<td>14.2 dB</td>
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<td>Insertion Loss of Connector</td>
<td>Max dB</td>
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<td>0.02</td>
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<td>Insertion Loss (w/ Connector)</td>
<td>Max dB</td>
<td></td>
<td></td>
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<td>Uniformity Loss</td>
<td>Max dB</td>
<td>1.0 dB</td>
<td>1.0 dB</td>
<td>1.5 dB</td>
<td>2.0 dB</td>
</tr>
<tr>
<td>Polarization Dependent Loss</td>
<td>Max dB</td>
<td>0.1 dB</td>
<td>0.15 dB</td>
<td>0.25 dB</td>
<td>0.4 dB</td>
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<td>Wavelength Bandwidth</td>
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<td>1260-1650</td>
<td>1260-1650</td>
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<tr>
<td>Return Loss (All Port)</td>
<td>Min dB</td>
<td>&gt; 55 dB</td>
<td>&gt; 55 dB</td>
<td>&gt; 55 dB</td>
<td>&gt; 55 dB</td>
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<tr>
<td>Directivity</td>
<td>Min dB</td>
<td>55</td>
<td>55</td>
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<tr>
<td>Operating Temperature</td>
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<td>ABS Plastic Box</td>
<td>ABS Plastic Box</td>
<td>ABS Plastic Box</td>
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<td>Package Dimensions</td>
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<td>10<em>80</em>100(mm)</td>
<td>10<em>80</em>100(mm)</td>
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<thead>
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<th>SPECIAL MATERIALS</th>
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<tbody>
<tr>
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<td>Input</td>
<td>Original</td>
<td>Original</td>
<td>Original</td>
<td>Original</td>
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<tr>
<td></td>
<td>Output</td>
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<td>4 Color (Blue/Orange/Green/Brown)</td>
<td>4 Color (Blue/Orange/Green/Brown/Gray/White/Red/Black)</td>
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<tr>
<td>Tube Type</td>
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<td>Φ2.0, PVC</td>
<td>Φ2.0, PVC</td>
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<td>Yellow</td>
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<td>Output</td>
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<td>Yellow</td>
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<tr>
<td>Connector Type</td>
<td>Input/Output</td>
<td>SC/APC - SC/UPC LC/APC - LC/UPC</td>
<td>SC/APC - SC/UPC LC/APC - LC/UPC</td>
<td>SC/APC - SC/UPC LC/APC - LC/UPC</td>
<td>SC/APC - SC/UPC LC/APC - LC/UPC</td>
</tr>
</tbody>
</table>

Call a Sales Representative for Assistance.

597 Evergreen Road
Strafford MO 65757
417-736-2135
Toll Free: 855-736-2135
Web: www.amprod.us
# Fiber Pigtails

## Technical Specifications

<table>
<thead>
<tr>
<th>UNIT</th>
<th>12</th>
<th>24</th>
<th>36</th>
<th>48</th>
<th>72</th>
<th>96</th>
<th>144</th>
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<tbody>
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<td>6x12</td>
<td>6x12</td>
<td>6x12</td>
<td>6x12</td>
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<td>12x12</td>
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<tr>
<td>Loose Tube / Filler - Ø nominal</td>
<td>mm</td>
<td>2.4</td>
<td>2.4</td>
<td>2.4</td>
<td>2.4</td>
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<tr>
<td>CSM/coating nominal diameter</td>
<td>mm</td>
<td>2.7</td>
<td>2.7</td>
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<td>Cable nominal Diameter</td>
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<td>11.4</td>
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<tr>
<td>Cable Weight</td>
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<td>97</td>
<td>97</td>
<td>97</td>
<td>97</td>
<td>97</td>
<td>123</td>
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<td>Min. bending radius</td>
<td>mm</td>
<td>Without Tension 10 x Cable - Ø Under Maximum Tension 20 x Cable - Ø</td>
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<tr>
<td>Temperature range</td>
<td>°C</td>
<td>Installation -5 -&gt; +50 Transport. &amp; Storage -40 -&gt; +70 Operation -30 -&gt; +70</td>
<td></td>
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<tr>
<td>Fanout Connectors</td>
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<td>SC/APC w/ 2mm Jacket</td>
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### TEST STANDARDS

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</tr>
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<tbody>
<tr>
<td>Max. Installation Tension</td>
<td>IEC 60794-1-2-E1</td>
<td>1500 N</td>
<td>Fiber Strain ≤ 0.33%, Δα Reversible</td>
</tr>
<tr>
<td>Crush (short term)</td>
<td>IEC 60794-1-2-E3</td>
<td>1000 N / 100mm</td>
<td>Δα ≤ 0.1 dB</td>
</tr>
<tr>
<td>Temperature Range</td>
<td>IEC 60794-1-2-F1</td>
<td>-40 -&gt; +70°C</td>
<td>Δα ≤ 0.1 dB /km</td>
</tr>
<tr>
<td>Water Penetration</td>
<td>TIA-455-82</td>
<td>Sample=1m, Water=1m</td>
<td>No Water Leakage After 1 Hour</td>
</tr>
</tbody>
</table>

*values for single-mode fibers, all optical measurements performed at 1550 nm*

### Waveband (nm) MAX ATTENUATION (dB/km)

<table>
<thead>
<tr>
<th>WAVELENGTHS (nm)</th>
<th>MAX ATTENUATION (dB/km)</th>
</tr>
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<tbody>
<tr>
<td>1310</td>
<td>≤ 0.35</td>
</tr>
<tr>
<td>1383</td>
<td>≤ 0.35</td>
</tr>
<tr>
<td>1490</td>
<td>≤ 0.24</td>
</tr>
<tr>
<td>1550</td>
<td>≤ 0.20</td>
</tr>
<tr>
<td>1625</td>
<td>≤ 0.23</td>
</tr>
</tbody>
</table>

### JACKET TYPES

- Plenum
- Riser
- Ribbon
- Outdoor Rated
- Armored

### Fiber & Buffer Tube Colors

<table>
<thead>
<tr>
<th>Number</th>
<th>1</th>
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<th>3</th>
<th>4</th>
<th>5</th>
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<tbody>
<tr>
<td>Color</td>
<td>BLUE</td>
<td>ORANGE</td>
<td>GREEN</td>
<td>BROWN</td>
<td>SLATE</td>
<td>WHITE</td>
<td>RED</td>
<td>BLACK</td>
<td>YELLOW</td>
<td>VIOLET</td>
<td>ROSE</td>
<td>AQUA</td>
</tr>
</tbody>
</table>

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Call a Sales Representative for Assistance.

ver. 06/12/2020

597 Evergreen Road
Strafford MO 65757
417-736-2135
Toll Free: 855-736-2135
Web: www.amprod.us
Fiber Pigtail

Application
- Fiber to The Point (FTTX)
- Fiber to The Home (FTTH)
- Passive Optical Networks (PON)
- Local Area Networks (LAN)
- Gigabit Passive Optical Networks (GPON)
- Cable Television Networks (CATV)

TEST STANDARD VALUE SANCTION*

<table>
<thead>
<tr>
<th>TEST</th>
<th>STANDARD</th>
<th>VALUE</th>
<th>SANCTION*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Installation Tension</td>
<td>IEC 60794-1-2-E1</td>
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</tr>
</tbody>
</table>

*values for single-mode fibers, all optical measurements performed at 1550 nm
Rack Mount Fiber Storage
5 RU fiber (cable) slack storage box. Holds up to 50’ of cable.

Horizontal Wire Management
1RU cable management panel for 19” or 23” rack applications. Steel construction with (5) D-rings powder coated black.

Verticle Wire Management
19” to 23” rack adapters with optional 5” extensions and variable length. Integrated wire management, 12 GA steel, powder coated black.
Plates and Adapters
To accompany all American Products fiber optic enclosures, American Products developed snap-in fiber adapter plates that are versatile enough to meet any fiber application and durable enough to withstand field installations.

- Available in 6-, and 8-port fiber configurations
- Panel options available include ST, FC, SC, LC and others
- High density applications can be reached through Dual and Quad LC applications

**Standard Color / finish:**
Color shown here is approximate.

```
AM - L  XX   X  X  X  XXX
Color
WHT - white
BLK - black
```

**Adapter Body Color Scheme:**
Tan/Beige - Multi-mode, Phos. Bronze Sleeve
Blue - Single-mode, Ceramic Sleeve
Aqua - Multi-mode (10 GIG), Phos. Bronze Sleeve
Green - Single-mode (APC), Ceramic Sleeve
Other colors available, minimum orders may apply.

*SC Duplex and LC Quad adapters only available in quantity of 6 adapters per plate.

Call a Sales Representative for Assistance.
Patch Panel (1RU)
AM-WC-1U3P-PNL

Shown with Optional Plates & Adapters

Features
- Max capacity is 18 “Fibers” by using 3 adapter panels of 6 ports LC Quad.
- Max capacity is 18 “Fibers” by using 3 adapter panels of 6 ports SC Duplex.
- Max capacity is 36 “Fibers” by using 3 adapter panels of 12 ports ST/FC.
- RAL7035 or RAL905, and RoHS compliant.
- One unit per package which is in 18.98*2.99*1.73 inches.
- Weight is 2.0 lbs after packaged.

GALV Steel
Powder Coat
19” Black

Patch Panel (3RU)
AMLPNL-144-U

Features
- Fits Standard 19” Racking
- 3RU Height
- Up To 144 SC or 288 LC Duplex Module Capacity
- Front and Rear Eyelets to Assist Installers with Cable Management
- Flat Black Powder Coat Finish
- Supports Mounting of Splice Trays in Rear
- Formed Flange on Top for Rigidity

GALV Steel
Powder Coat
19” Black

Shown with Optional Plates & Adapters
LGX Panel (3RU)
AML-PNL-14-LGX

Features
- Fits Standard 19” Racking
- 3RU Height
- Support 14 LGX modules
- Front and Rear Eyelets to Assist Installers with Cable Management
- Flat Black Powder Coat Finish
- Supports Mounting of Splice Trays in Rear

Universal Panel
AML-USP

Features
- Fits Standard 19” Racking
- 3RU Height
- Supports 14 LGX Modules
- Front and Rear Eyelets to Assist Installers with Cable Management
- Flat Black Powder Coat Finish
Portable Laptop Tray  AM-1915-LTT-P

19”Wx15”D – Light Textured Beige Powder Coated Aluminum. Featuring an adjustable hanger bracket and lipped platform to secure the laptop from sliding, the AM-1915-LTT-P is light weight, easy to use and very mobile. Folds for easy storage.

Cabinet/Wall Mount Laptop Tray  AM-(19)1615-LTT

19” or 16”Wx15”D – Light Textured Beige Powder Coated Aluminum. Designed to be permanently mounted to a cabinet door, shelter wall or inside a utility space, the AM-(19)1615-LTT features a lipped platform to secure the laptop from sliding and space saving fold flat design.

Rack Mount Storage / Shelf  AM-(20)1614-LTT-1RU

20”Wx14”D or 16”Wx14”D – Powder Coated Black Cold Rolled Steel. Designed for any standard 19” and 23” rack, it only requires 1 RU of rack space and is ideal for equipment cabinets and stand alone equipment racks. It is vented and has a slipped platform to secure the laptop from sliding.

Rack Mount CPU Shelf  AMPA-20247CS

Rack mount CPU vented shelf with lockable door. Steel construction, powder coated black.
Center Mount Battery Trays

These rack mount battery trays are made of heavy gauge steel for a sturdy platform and a powder coat paint finish. They fit standard 19” & 23” racks or cabinets and incorporate standard EIA rail spacing.

Unvented

Vented

4 post mount battery trays are also available in many sizes, and are fabricated using .125 aluminum with a powder coat beige finish.

Shelves

Utilizing just 3RUs of space, these rack mount shelves are made of heavy gauge steel for a sturdy platform and a powder coat paint finish. They fit standard 19” racks or cabinets and incorporate standard EIA rail spacing.

Rackguard

The RackGuard rack security where limited access is required. Fits 19” racks and is available in 2RU, 4RU & 8RU

Each door boasts a padlock hasp.

Part Numbers:
AM-RG3519-2RU-BLK
AM-RG7019-4RU-BLK
AM-RG1419-8RU-BLK
Ventilation Fan Systems

Designed to maintain NEMA integrity, our pre-wired exhaust fan assemblies are custom made for each enclosure series. The included adjustable thermostat and particulate filter insures long life of your components.

Features
- 115VAC / 12, 24, 48VDC
- Adjustable Thermostat
- Particulate Filter

DIN Rail Heating Systems

Features
- Compact & Flat Design
- 300W Total Heating Capacity
- Built-in Overheat Protection
- Adjustable Thermostat
- 115/230VAC
Heat Exchangers

We offer a full line of vertical mount heat exchangers designed to mount on the side, front, back, or door of our enclosures, and range from 5.7-83 Watts / °F (10.3-149.4 Watts / °C) of closed-loop cooling capacity.

Features
- UL Certified
- CE Certified
- RoHS Compliant
- REACH Compliant
- Telcordia GR-487 Tested (Salt Fog & Wind Driven Rain)
- Maintains NEMA type 12, 3R, 4, or 4X integrity of your enclosure
- Adjustable Thermostat
- Available Voltages: 120V 60Hz, 230V 50/60Hz, 48VDC

HVAC Systems

If you fail to manage your enclosure’s heat gain, the electrical components enclosed within may overheat. Typically manufacturers recommend maintaining an enclosure air temperature of 95°F or less to reduce the internal heat load. Environmental factors, a lack of ventilation, and restricted air flow can also cause the formation of hot spots, which may lead to equipment overheating. We provide the best cooling solution for each application.

We partner with several manufacturers of cooling solutions to offer efficient enclosure air conditioning.

Features
- 2-year & 5-year manufacturer’s warranties depends on model, 1st year includes field service)
- Easy installation
- Closed-loop cooling for a controlled, secure environment
- Rated for indoor and outdoor use
- Built-in control board
- Coated condenser coils to protect against dirt
- High-quality and high-performance axial fans
- Lead-lag control multiple cooling units on a single cabinet
- Front access to critical components for ease of use
- Available Voltages: 120V 60Hz, 230V 50/60Hz, 48VDC
Grounding & Bonding

Designing effective electrical protection begins with proper grounding and bonding. By incorporating surge protection, grounding, bonding, and electric power design together, American Products can ensure that all these important elements work together in the most effective manner to achieve maximum reliability and survivability.

Our grounding and protection design methodology is based on a thorough understanding and application of the influence/coupling/susceptibility interference model and is founded on industry standards and manufacturing best practices.

Grounding Types Offered
- Halo Systems
- Isle Grounding

Uncoated Master Copper Ground Bar for AP HERITAGE™, AP INDEPENDENCE™, AP FREEDOM™, AP REVOLUTION™

Isolated Aluminum Ground Bar for AP LIBERTY™, AP NAUTILUS™

Halo Ground System for AP FORT™ Shelter Series

Isle Ground for AP FORT™ Shelter Series

Thermal Insulation

Our Insulation offerings provide for energy efficiency and operational cost savings.

Used in combination with a solar shield or optional double wall construction, you can further extend energy savings on climate control investments.

( R Values of R3-R5 for Cabinets, R11 for AP FORT™ Series)

Double Roof and Solar Shield Assembly for AP INDEPENDENCE™ Series
Mounting Plinths / Battery Boxes

All our Mounting Plinths and Battery Boxes are made from lightweight aluminum and are Proudly Handcrafted in the USA in our ISO 2001 certified manufacturing facility.

Features
- .125 Gauge Aircraft Grade Aluminum
- Prefabricated Mounting Holes for Sturdy Support
- Type 304 Stainless Steel Hardware
- GR487 Powder Coat Beige
- OPTIONAL “Secure Mount”: Mounting Holes Hidden From Public

Wall Mount / Pole Mount Bracketing

All our Mounting Brackets both Pole and Wall are made from lightweight aluminum and are Proudly Handcrafted in the USA in our ISO 2001 certified manufacturing facility.

Features
- .125 Gauge Aircraft Grade Aluminum
- Type 304 Stainless Steel Hardware
- GR487 Powder Coat Beige
WARRANTY

Enclosures designed and manufactured by American Products shall be warranted to be free of defects in material or workmanship for a period of 5 years (U.S. & Canada) and 3 years for International deployments from the date of shipment. Should the product be proven to be defective, American Products will have the option to repair or replace the product. Items included with the enclosures, not manufactured by American Products, will carry the original manufacturer’s warranty.

It is the responsibility of the buyer to communicate any special environmental concerns in which the enclosures will be utilized. Special materials may be required to allow for proper corrosion resistance for harsh environments. The warranty does not cover enclosures used in applications and environments for which they were not designed. Warranty does not cover abuse, modifications by others or reimbursement for unauthorized rework. At no time will American Products reimburse purchaser for unauthorized rework on any product.

Under no circumstances is American Products liable for any consequential damages, liquidated damages, loss in profits or revenues, costs of capital, downtime costs or damages related to our product performance.

WARRANTY CLAIMS

Enclosures found to be defective will be repaired or replaced with the same or comparable product. All warranty claims must be communicated to our customer service (855) 736-2135 department to obtain an RMA number. For warranty claims in the USA and Canada, freight will be managed and paid by American Products. For warranty claims outside of the USA and Canada, the customer will be responsible for managing the freight and freight expenses. Products being returned from other than US or Canada are to be returned to the factory in Strafford, MO to receive warranty resolution, once approved with an RMA.

Except for the express warranty stated above, American Products makes no other warranties with respect to the product, expressed or implied, including but not limited to merchantability or fitness for a particular purpose.
1. “Seller” shall mean American Products. By accepting the offer and purchasing products from Seller, Buyer confirms that the following terms and conditions apply to Buyer’s purchase of Seller’s products. Even if Buyer sends Seller another form of agreement, or modifies this agreement and Seller does not respond, these terms will be the terms of Seller’s agreement. If buyer does not agree with these terms, please call Seller to discuss modifications. Any modifications must be in writing and signed by Seller.

2. TERMS AND CONDITIONS OF SALES. Any products or services (“Products”) Buyer purchases from Seller by electronic, phone, paper, or any other form of transmission are sold subject to the following: a. If Buyer already has a fully signed sales agreement currently in effect with Seller, then any term in that agreement that conflicts with these terms will be applied to Buyer’s purchase; the rest of these terms and conditions will otherwise apply; b. If Buyer does not have a fully signed sales agreement with Seller, then the following is Seller’s complete contract, which is governed by the substantive law of the state of Florida, without giving effect to its choice of law provisions. The United Nations Convention on the International Sale of Goods will not apply.

3. PRICE. Product prices are determined by the confirmation Buyer receives from Seller, or, in the absence of such confirmation, by Seller’s list prices in effect at the time of shipment. However, if Seller implements a general or industry specific price adjustment for any Product, all orders for such Product that are confirmed but not shipped as of the effective date of such adjustment may be re-priced accordingly. Unless otherwise agreed to, payment will be due in U.S. Dollars within thirty (30) days of the invoice date. Buyer also agrees to reimburse Seller for Seller’s costs of collection, including reasonable attorney’s fees, should Buyer fail to pay Seller in a timely manner, including interest at the annual rate of LIBOR plus 5%.

4. DELIVERY. Any delivery dates Seller quotes are estimates. Seller cannot guarantee delivery on a specific date. If shipment freight terms are prepaid/ add, Shipper accepts title, damage or loss during shipment. Buyer will accept title, upon signature from a Buyer representative, at the time of delivery at the shipping destination site. If shipment freight terms are collect, title, damage or loss during shipment transfers to commercial transportation carrier and Buyer at time of shipment from Seller. Buyer grants Seller a purchase money security interest in goods Seller sells to Buyer and Buyer agrees that Seller may take actions in Buyer’s name to perfect that interest as Buyer’s attorney in fact; if Buyer is located in one of those places which recognizes designation of title, Buyer agrees that Seller retain title to the goods to secure Buyer’s payment for them, and Buyer assigns too Seller all proceeds from their sale or pledge.

5. WARRANTY / LIMITS OF LIABILITY. All telecommunication enclosures designed and manufactured by American Products shall be warranted to be free of defects in material or workmanship for a period of 5 years (U.S. & Canada) and 3 year (International) from the date of shipment. Should the product be proven to be defective, American Products will have the option to repair or replace the product. Items included with the enclosures, not manufactured by American Products, will utilize the original manufacturer’s warranty. Enclosures designed by others and manufactured at American Products will carry a one year warranty for materials & craftsmanship. It is the responsibility of the buyer to communicate any special environmental concerns in which the enclosures will be utilized. Special materials may be required to allow for proper corrosion resistance for harsh environments. The warranty does not cover enclosures used in applications and environments for which they were not designed. Warranty does not cover abuse, modifications by others or reimbursement for unauthorized rework. All other goods manufactured by American Products shall be warranted to be free of defects in material or workmanship for a period of one year from the date of shipment. Should the product be proven to be American Products to be defective, we shall at our option repair or replace the product. At no time will American Products reimburse purchaser for unauthorized rework on any product. Our warranty does not cover equipment manufactured by others and resold by American Products, or incorporated into our equipment. Products sold with such warranties may be extended by the manufacturer of the product. We do not warrant product that has been modified, subjected to abuse, negligence in operation or maintenance, or if product is used in a manner that exceeds its designed capabilities and rating. Under no circumstances is American Products liable for consequential damages, lost revenues, costs of capital, downtime costs or damages related to our product performance. All discrepancies must be reported within 2 business days.

6. LIMITATION OF CLAIMS. Seller will not be responsible for any harm arising out of Buyer’s purchase, possession or use of any products supplied by Seller or any technical advice Seller may offer, except as agreed in the Limited Warranty set out above. SELLER WILL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL, INCIDENTAL OR EXEMPLARY DAMAGES, INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFITS, COST OF ANY SUBSTITUTE FOR THE PRODUCTS PURCHASED, CLAIMS OF THIRD PARTIES OR INJURY TO PERSONS OR PROPERTY.

7. TECHNICAL ADVICE AND OTHER SERVICES. Buyer is responsible for the design, processing, testing and labeling of any product that Buyer makes using Products Buyer buys from Seller and Buyer will not rely on anything on Seller’s web site or any statement by Seller about the suitability of products or services Seller provides. Buyer has tested and investigated Products sold by Seller enough to form an independent judgment concerning their suitability for the use, conversion or processing intended by Buyer and will not make any claim against Seller based on Seller’s advice, statements, information, services or recommendations.

8. PATENTS. Any suggestions Seller makes about possible articles, designs or use of products do not give Buyer a license under any patent covering such articles, designs or uses, nor are they a recommendation for use of such products, articles or designs which may infringe any patent. Seller will defend Buyer if there is a claim that Seller’s products, as Seller delivers them to Buyer, infringe another person’s patents, and if necessary will either refund the purchase price or obtain for buyer a license under those patents.

9. EVENTS BEYOND SELLER’S CONTROL. Seller will not be responsible if Seller cannot perform under this agreement if events beyond Seller’s control occur which make it impossible or commercially unreasonable for Seller to perform, including so-called “Acts of God” or “force majeure” events and raw material shortages.

10. TERMINATION; SUSPENSION. Seller may terminate this agreement or adjust Buyer’s payment terms effective immediately upon written notice to Buyer in the event (a) Buyer fails to pay any Seller invoice, within the time provided in this agreement on two or more occasions, (b) Buyer generally fails to pay its debts as they become due, (c) Seller reasonably believes Buyer’s creditworthiness has deteriorated or Buyer is insolvent (whether based on the reasonable belief by Seller that Buyer’s liabilities exceed its assets; the existence of a bankruptcy, assignment for the benefit of creditors or other similar proceeding involving Buyer; a liquidation of a significant portion of the assets of Buyer; or otherwise) and (d) of a sale of a majority of the assets, or a change of control of the ownership, of Buyer. If Buyer is in default hereunder, including by failure to pay invoices, Seller may suspend shipments of Product, require cash in advance of deliveries and/or reduce payment terms until all invoices are current and Seller receives adequate assurance of future performance.

11. GENERAL. Cancellation of any order, or return of any conforming Product purchased hereunder, will be subject to acceptance by Seller and to a restocking charge in accordance with Seller’s policy then in effect. ORDERS FOR CUSTOM PRODUCT MAY NOT BE CANCELLED OR TERMINATED. Neither course of performance or dealing, nor usage of trade, nor prior writings or agreements shall be used to qualify, explain or supplement any of these terms and conditions. Failure by either party, at any time or from time to time, to require the performance by the other of any term hereof shall not constitute a waiver of such term or provision. The invalidity, in whole or in part, of any term herein, shall not affect any other term, each of which shall be enforced to the full extent permitted by law. Buyer may not assign or transfer any rights or obligations under any Sales Agreement or other agreement governed by these terms without the prior written consent of Seller. Notice shall be deemed properly given if sent by facsimile, confirmed by registered mail with receipt return, overnight courier mail, hand-delivered, or registered mail with return receipt, to the addresses set forth on the first page of this Agreement. Seller shall be entitled to reference Buyer as a customer of Seller and utilize photographs of Buyer’s applications utilizing Seller’s products in Seller’s marketing materials.