

AP PATRIOT®

Multi-Function Enclosure
Type 3R



<https://amprod.us/patriotqr>



AMERICAN®
PRODUCTS 

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.



Powder Coating: Enclosures are powder coated and tested for outdoor telecom enclosures.



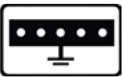
Power: A pre-wired 20 Amp quad receptacle is a standard feature.



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



Shown with Options

Standard Color / finish choices:

Colors shown here are approximate.



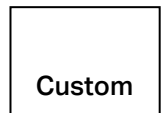
Beige



White



Grey



Custom



Shown with Options



Shown with Options



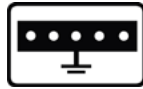
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AP PATRIOT[®] Options



Load Center



**Upgraded
Copper
Ground Bar**



Insulation
Recommended for
climate control options



**Laptop
Tray**



**Generator
Plug &
Interlock**



**LED Interior
Lighting**



Battery Tray



**Door
Alarm**

AP PATRIOT[®] Climate Control Options



HVAC 1,000 to 12,000 BTU/hr

- Built-in Heater
- Corrosion Protection
- Cold Start Heater



Exhaust Fan

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



Heat Exchanger

- Consult factory for sizes.



HVAC 1,000 to 6,000 BTU/hr

- 48 VDC Powered



Heater

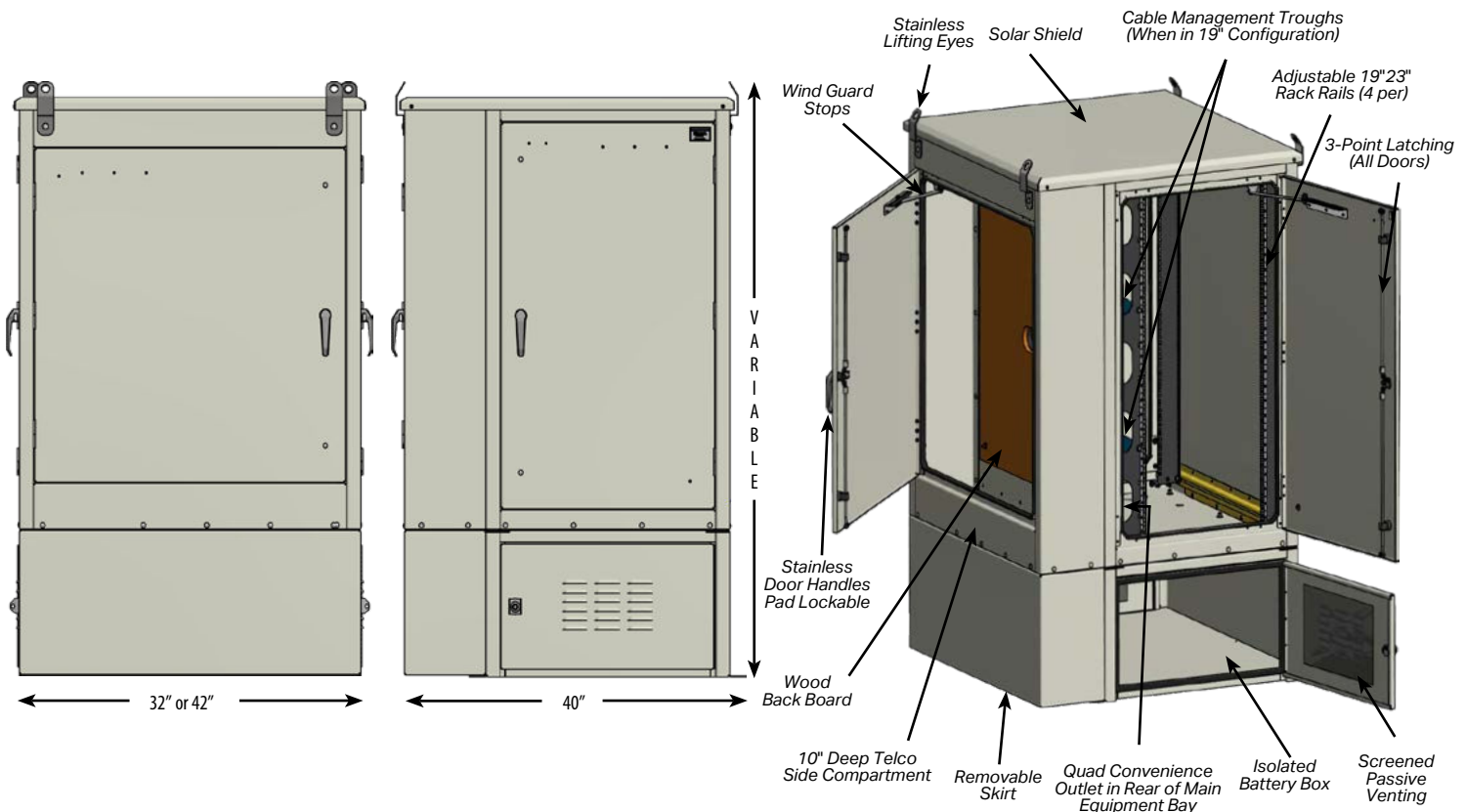
- Built in adjustable thermostat
- 100W-1000W 115VAC



Battery Heater Pad

- 115VAC
- Fits on Battery Tray

AP PATRIOT[®] Basic Layout



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Technical Specifications



PART NUMBER	ENCLOSURE SIZE	CAPACITY	EST. WEIGHT
AM32P-4036-16/32RU	48" H 40" W x 36" D	Front & Rear Racks Included, 16RU / Rack, 32RU Total	290 lbs
AM32P-4042-16/32RU	48" H 40" W x 42" D	Front & Rear Racks Included, 16RU / Rack, 32RU Total	310 lbs
AM47P-4036-24/48RU	63" H 40" W x 36" D	Front & Rear Racks Included, 24RU / Rack, 48RU Total	340 lbs
AM47P-4042-24/48RU	63" H 40" W x 42" D	Front & Rear Racks Included, 24RU / Rack, 48RU Total	355 lbs
AM58P-4036-30/60RU	74" H 40" W x 36" D	Front & Rear Racks Included, 30RU / Rack, 60RU Total	365 lbs
AM58P-4042-30/60RU	74" H 40" W x 42" D	Front & Rear Racks Included, 30RU / Rack, 60RU Total	400 lbs

FEATURE	DESCRIPTION	MATERIALS, FINISH & STANDARDS
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 adjustable front to back, rails 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.	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 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 leaf hinge. Male leaf with fixed .125" Ø stainless pin.
Cable Entrances	Each cabinet will have (8) per-set cable entrance locations in the bottom. (2) 4"Ø & (6) 1.0" Ø knock-outs	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	6AWG braided cable door grounding strap secured to masked studs for each cabinet door. 18 position aluminum terminal strip mounted to interior bottom, mounted to stand-offs for easy access.
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.
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 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 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 304-2B stainless steel. Each lifting eye is attached with high strength carriage bolts. Lifting eyes can be removed after cabinet is in place if desired.
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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