# AP MINIFORT ®
## Maximum Versatility and Affordability
*Type 3R*

# AMERICAN®
## PRODUCTS

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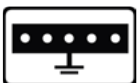
**Powder Coating:** Enclosures are powder coated and tested for outdoor telecom enclosures.

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

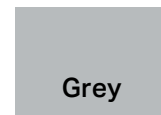**Numbered Adjustable Equipment Racks:** 19" or 23"

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

**Locking:** Extremely secure, strong and impermeable. Lockable handles and hinges are made from Type 300 stainless steel.
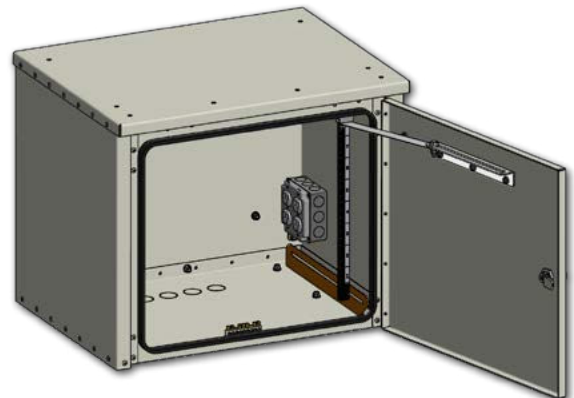
PROUDLY HANDCRAFTED IN THE USA

ETL LISTED Intertek

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

| | |
|---|---|
| Beige | White |
| Grey | Custom |

*Shown with Options*

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# AMERICAN PRODUCTS®
*Turn-Key Enclosure Solutions*

597 Evergreen Road
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amprod.us

## AP MINIFORT® Options

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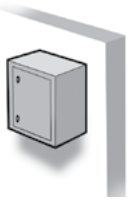Front & back removable panels
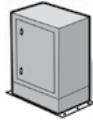
**Pole Mount Bracket**
For use with mounting
clamps, straps or lag
bolts. Compatible
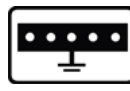with 4"-8" diameter poles.

**Wall Mount Bracket**
Flanged back panels
with mounting holes.

**Door Alarm**

**Battery Compartment**

**Upgraded Copper Ground Bar**

**Additional Set of Rails**

**Load Center**

**Battery Tray**

**Generator Plug & Interlock**

**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

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

**AC 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 MINIFORT® Basic Layout

24" or 28"

VARIABLE

18" or 22"

20A Quad Receptacle

19" Adjustable Rack
Rails (9 to 24RU)
(28" Wide Cabinets
Offer 23" Racks Also)

Stainless Steel
Wind Guard Door Stop

Stainless 216 Hex
1/4-Turn Pad-Lockable Latch
(32" & 46" Cabinets Have
Two Latches Per Door)

Aluminum Ground
7 Position Terminal Strip
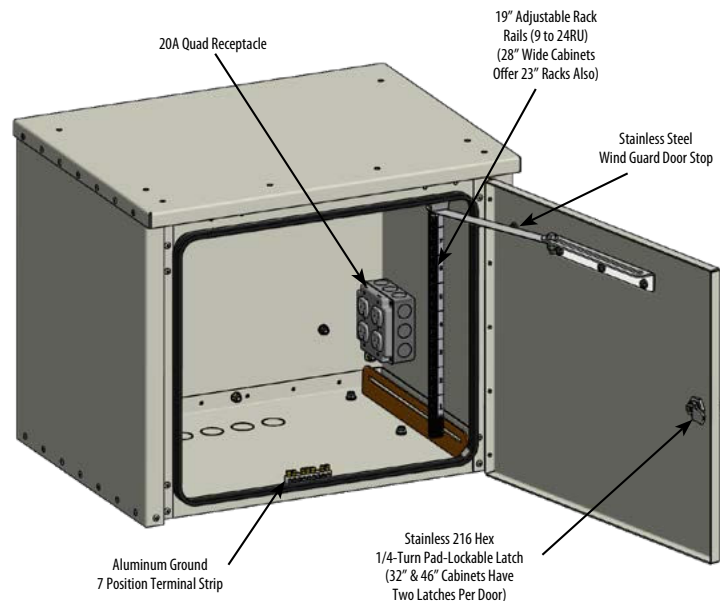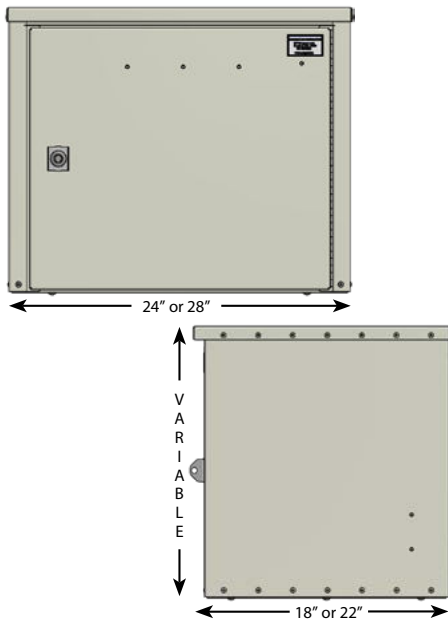
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# AP MINIFORT ®
## Technical Specifications

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| PART NUMBER | ENCLOSURE SIZE | CAPACITY | EST. WEIGHT | ETL CERTS |
|---|---|---|---|---|
| AM-202418-9RU | 20" T x 24" W x 18" D | 9RU Total Equipment Space, 19" Adjustable Rack | 44 lbs | UL 50 / 50E CSA C22.2#94.1 CSA C22.2#94.2 |
| AM-202822-9RU | 20" T x 28" W x 22" D | 9RU Total Equipment Space, 19" or 23" Adjustable Rack | 46 lbs | |
| AM-322418-16RU | 32" T x 24" W x 18" D | 16RU Total Equipment Space, 19" Adjustable Rack | 53 lbs | |
| AM-322822-16RU | 32" T x 28" W x 22" D | 16RU Total Equipment Space, 19" or 23" Adjustable Rack | 56 lbs | |
| AM-462418-24RU | 46" T x 24" W x 18" D | 24RU Total Equipment Space, 19" Adjustable Rack | 65 lbs | |
| AM-462822-24RU | 46" T x 28" W x 22" D | 24RU Total Equipment Space, 19" or 23" Adjustable Rack | 69 lbs | |

| FEATURE | DESCRIPTION | MATERIALS, FINISH & STANDARDS |
|---|---|---|
| Cabinet Construction | Cabinet walls, top, bottom, doors & door frames are of bolted aluminum construction. | 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. |
| Interior Rack | 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. | 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 Latches | 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. | 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 piano cabinet door hinge, full height. | .040 thick 300 series stainless steel continuous hinge. 1.25" open, .50" knuckle and 3/32" diameter stainless pin. |
| Cable Entrances | Each cabinet will have (4) per-set cable entrance locations in the bottom. (4) 1.375" Ø knock-outs towards rear of cabinet | 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. 5 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 cabinet. Wiring done by others in the field. |
| 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. |

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