

Tactical MIL-STD Power Entry Panels

Wide Operating Temperature Input/Output Power Interface with AC & DC Shore and Onboard Power Distribution for Command Post Platforms



The Power Entry Panel is designed for Command Post Platforms and other derivatives to distribute onboard vehicle power as well as shore power. This ensures reliable power to critical communications and telemetry equipment with minimal downtime and optimal performance.

This Power Panel offers ideal Input/Output (I/O) power and features both +24/28 VDC (5.6 kW) @ 200 Amps and 3 Phase AC (21.6 kW) @ 60 Amp per Phase I/O distribution capability. The power panel also includes a 3 Phase 60 Amp pass through connector interface to support additional forward operating base requirements.



The panel has been tested for environmental durability, Army required wide operating temperature, and MIL-STD 461E. The PEP is capable of performing in temperatures from -46°C to 60°C, and able to withstand shock, vibration, water exposure, high concentrations of sand, dust, salt fog, and meets the Army performance requirements of MIL-STD 810.

The panel is a reliable fault protected power distribution system capable of preventing damage to critical mission sensitive data & communication hardware in the shelter or tactical vehicles.

Features & Benefits

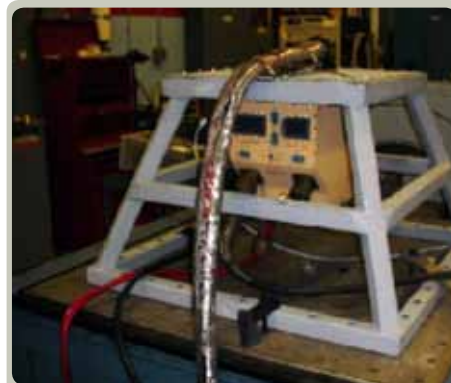
- 3 Phase 208 VAC at 60 Amps per Phase (21.6 kW)
- 24 VDC at 200 Amps and 28 VDC at 200 Amps (5.6 KW)
- Emergency Power Off controlled
- Integrated buss-bar technology
- EMI filtering
- Surge protection on all power lines
- Wide range performance
- Rugged construction
- AC & DC EMI filters
- Low voltage disconnect
- EMC tested
- Protective covers & lanyards for import and export connectors
- "Push to View" status indicators

Applications

- Command post platforms
- shore and onboard tactical vehicle power distribution
- Defense mobile command vehicles
- Unmanned vehicles & vessels
- Mobile command posts
- Communications & telemetry cases
- Towed radar & generator platforms

Technical Specifications: P/N 7200-A-125

Input Power from generator or shore power	208/120 VAC, 3Ø 60Hz, 60A Power Supply +28 VDC -200A, HMMWV Battery - 200A
Output Power	
Battery Charger Power	28 VDC
Export Power	208/120 VAC, 3Ø, 60Hz, 60A
Environmental Control Unit Power:	208/120 VAC, 3Ø, 60Hz, 30A
DC Power Supply	208/120 VAC, 3Ø, 60Hz, 25A
GCFI Power (Optional)	120 VAC, 1Ø, 60Hz
Shelter Config. Specifics Avail.	
Overload Circuit Protection	UL489 Electromagnetic circuit breaker
Input AC Voltage Monitoring	Over-Voltage Detection Under-Voltage Detection
Power Filtering	High Performance EMI/RFI L-G and N-G Filtering
Transient & Voltage Surge Suppression	AC Line Suppression DC Line Suppression
Shelter Power	AC: 208/120 VAC, 3Ø, 60Hz, 60A DC: +28 VDC, 200A
Physical	
Operating Temperature	-46°C to 60°C
Dimensions	13.13" H x 13.38" W x 16.10" D
Weight	72 lbs



Designed to Meet MIL-STD 810F Environment Standards

- Thermal Shock
- Salt Fog
- Blowing Sand & Dust
- Fungus
- Shock
- Vibration
- Ground Bond
- Mechanical Shock



SWaP: Reducing Unit Size, Weight, and Power Smaller and Lighter with Functionality Enhanced

- Reduced overall weight by 22% (72 lbs. vs. 92 lbs.)
- Reduced maximum specified volume by 53% (1.27 ft³ vs. 2.7 ft³)

Size and weight reduction provides for an easier installation, more space for new configurations, fuel savings, and additional payload capacity.

Rev: 10/14/13

+1 888.588.3448
powersales@apitech.com
power.apitech.com

www.apitech.com **api** technologies corp.