

Power Entry Panel

PEP



Wide Operating Temperature I/O Power Interface AC & DC Shore and Onboard Power Distribution

The **Power Entry Panel (PEP)** 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.

The **PEP** offers ideal I/O (Input/Output) power and features both +24/28 VDC to 200 Amps and 3 Phase AC to 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 **PEP** 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,

Features & Benefits

- 3Ø 208 VAC to 60 Amps per Ø
- 24 VDC at 200 Amps
- 28 VDC at 200 Amps
- 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

Designed to Meet MIL-STD 810F Environment Standards

- Thermal Shock
- Salt Fog
- Blowing Sand
- Blowing Dust
- Fungus
- Shock
- Vibration
- Ground Bond
- Mechanical Shock
- MIL-STD-1686C ESD Control
- MIL-STD-461E EMC Compliance

Ideal 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
- Transit Case for "MEP"



Specifications

7200-A-125 | PEP

Power Input

- 208/120 VAC, 3Ø 60Hz, 60A
- +28 VDC Power Supply - 200A
- HMMWV Battery - 200A

Power Output

- **Battery Charge 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
- **PTIP Interface** - 120 VAC, 1Ø, 60Hz, 15A & +24 VDC, 35A
- **GCFI Power**
120 VAC, 1Ø, 60Hz

Shelter Power

- AC:** 208/120 VAC, 3Ø, 60Hz, 60A
- DC:** +28 VDC, 200A

Overload Circuit Protection

- (J1) 4-Pole 60A, UL489
- (J2) 3-Pole 100A, UL508
- (J3) 3-Pole 30A, UL489
- (J4) 3-Pole 25A, UL489
- (J5) 1-Pole 35A, UL489
- (J5) 1-Pole, 15A UL489

Physical

- **Operating Temperature:**
-40°C to 60°C
- **Dimensions:** 13.13" H x 13.38" W x 16.10" D
- **Weight:** 72 lbs

high concentrations of sand, dust, salt fog, and all other factors laid out within the guidelines of Mil-STD 461E standards.

The **PEP** 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.

To learn more about the **Power Entry Panel (7200-A-125)**, or other products in the Spectrum Power military line, please contact a sales and support representative today.



Custom Design Solutions

Custom design collaboration is a hassle-free experience for customers. Clients work directly with our design team, eliminating any 3rd party companies, which helps reduce the design phase of the project. The talented design team at Spectrum Power has a proven track record for developing complex solutions within limited time frames. Advanced technology is employed for a comprehensive system review of packaging preparation and manufacturability. All products are tested for agreed upon electrical, mechanical, and environmental metrics. We administer our test procedures not only for prototypes, but for each and every power product we manufacture. This focus on quality and reliability is part of the commitment we make to our customers.