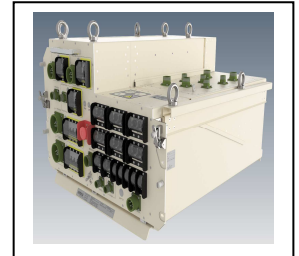


Product Description:

EPDA - External Power Distribution Assembly

Description:

- The military PDU is built to MIL-STD 461, 901, 810 and other standards to handle harsh conditions such as vibration, shock and extreme environmental conditions.
- Reduces or eliminates electromagnetic interference (EMI) conducted and induced by nearby electrical equipment.
- Protects from voltage spikes created by high-power equipment on the same lines and from lightning near external transmission lines.
- Integrates remote interlocks to cut off power to outlets to meet military security requirements.
- Create multiple power modules from a single facility power source, such as higher or lower voltages, or even DC power from AC power and vice versa.
- Exceed the limits of standard products
- Get perfect control with custom branches, switching, metering and more.
- Simplify installation by using the exact connectors you need.
- Integrate security systems with EPO and other interlocks.
- Get the exact size and shape of the case you need.
- Adopt the use of specialized connectors and sockets to interface with existing customer equipment, security systems and more.



Ultimately the military PDU takes into consideration the physical environment, the electrical environment and the operator's environment.

Proser specializes in working closely with customers to configure a custom PDU into an application-specific cohesive solution.

The structure of Military PDU as well as the internal parts are made of aluminum alloy of the 5000 and 6000 series equipped with Surtec 650 conductive anticorrosive treatment, according to MIL DTL 5541F Class III, the external surfaces can be painted on request.

Each Military PDU is 100% tested and with the ability to perform Environmental Stress Screening (ESS) based on specific program requirements.

MIL-STD-810G and MIL-STD-461F fully qualified

REACH compliance

CE marked

Key Specifications:

PDU accepts the following power sources:

- AC power source
 - N ° Phases: 3 phases + Neutral
 - Phase - Phase voltage: 400 Vac \pm 10%
 - Phase - Neutral Voltage: 230 Vac \pm 10%
 - Frequency: 50Hz \pm 5%
 - Maximum current required: 60 A / phase
- DC power source
 - 24 Vdc according to MIL-STD-1275E [S1]
 - Maximum current required: 90 A.

EQUIPMENT ITEMS DISTRIBUTION

- 400Vac \pm 10% @ 50Hz \pm 5% 3 phase + neutral to the following units:
 - Shelter Power Distribution Assembly.
 - 2 (two) air conditioning units
 - Guard stabilization device
 - 1 service socket
- 230Vac \pm 10% @ 50Hz \pm 5% single phase to the following units:
 - 1 service socket
 - Internal and External lighting system
- 24Vdc according to MIL-STD-1275E [S1]:
 - Shelter.
 - Internal and External lighting system
 - DC service
- - 2 spare DCs