

# Rugged Power Distribution Backplane

CONTINUOUS OUTPUT POWER: 1,000W to 8,000W

## Rugged Total Power Solutions Technology

Acumentrics designs and manufacture Total Power Solutions with the Rugged-UPS™ including backplanes, cables, power conditioners, inverters and power distribution units that can be mounted on 19" racks and transit cases for mission critical applications that are deployed in harsh environments.

## High Precision Rugged Mechanical Design

The Rugged Power Distribution Backplane (PDB) systems allows high accuracy, very reliable, blind-mating connections of Rugged-UPS™ with hot swapping.

## PDB Models

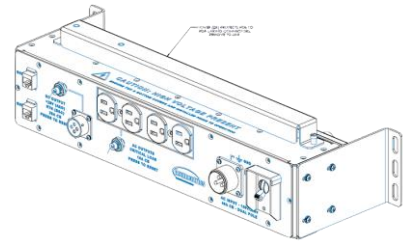
2U, two slot backplane and  
3U, three slot backplane.  
Stackable design allows 2 to 8 slots configurations with the ANG1251 1U Rugged-UPS™, provides easy connections for an N+1 Scalable/Fault Tolerant AC/DC Uninterruptable Power System expandable from 1kW to 8kW.

## ENVIRONMENTAL

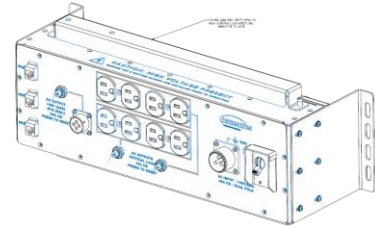
**Operating Temperature Range:** -20°C to 50°C

**Storage Temp:** -40°C to 70°C

**Humidity:** Up to 95% non-condensing



2U, two slot backplane, weight 6lbs



3U, three slot backplane, weight 8.5lbs

## ELECTRICAL

**Input Voltage:** 80 to 265 VAC

**Wattage:** 2500VA/2000W per connector

**Electromagnetic Interference:** Designed to meet MIL-STD-461-E When paired with Acumentrics' RUPS equipment

**Circuit Breaker Rating:** 20 Amps

**Vibration:** Designed to meet MIL-STD-810-G

**Shock:** Designed to meet MIL-STD-810-G



**RUGGED  
RELIABLE  
POWER™**

Acumentrics Rugged Power Distribution Backplane, designed to connect durable and versatile Rugged-UPS™ equipment to provide highly reliable power conditioning and battery back-up for the most sensitive electronic devices in harsh and combat environments. Provides very resilient power solutions with a fault-tolerant N+1 configurations with no single point of failure

