



# Rugged Power Distribution Unit (PDU)

COMPLETE RUPS SOLUTION INCLUDES POWER MANAGEMENT ACCESSORY

## Rugged-UPS™ Has Met Its Power Distributor

Acumentrics' Rugged PDU provides easy access to conditioned power for up to 8 outputs. This complete, rugged solution eases power distribution, simplifies cabling and has been designed specifically to meet the demanding needs of military applications.

## Rugged Parallel Power

The Rugged PDU can be configured with multiple AC inputs from paralleled Rugged UPS units to increase output power.

## One PDU – Eight Output Connectors

The unit offers maximum cable management, providing conditioned power for up to 8 outputs.

## Robust

Unlike other power distribution strips, the Rugged PDU features circular connectors sealed with positive latching that protect against blown precipitation, wind, dust, sand, humidity, vibration, shock other environmental conditions.

## EMI

Protects sensitive electronics from the effects of electro-magnetic interference when integrated with Acumentrics' UPS systems.

## Over Current is Under Control

Each output connector has a circuit breaker for over current protection, as well as manual control of each channel.

## The Perfect Fit for Military Apps

This 1U-high, 12" deep and 10 lb unit is designed to fit standard military 19" racks. It also features MIL-STD connectors and components.

**RUGGED  
RELIABLE  
POWER™**



The PDU is the ideal size and weight for military applications and is environmentally sealed to protect internal components. It is customizable with circuit breakers and connectors, and features auto bypass from an AC source to keep all equipment running. Users can also get Acumentrics' Rugged PDU with 2 AC inputs for additional power.

## Rugged Power Distribution Unit (PDU)

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### SPECIFICATIONS

**Product:** DC or AC Power Distribution Unit (PDU)

### MECHANICAL

Height: 1U (1.75")  
Depth: 12"  
Width: 17"  
Weight: 10 lbs  
Mounting: Fits standard EIA-310D 19-inch rack

### MATERIAL

Aluminum

### ELECTRICAL

**Input Voltage:** 115 VAC / 230 VAC optional  
**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 – each output  
**Vibration:** Designed to meet MIL-STD-810-G  
**Shock:** Designed to meet MIL-STD-810-G

### ENVIRONMENTAL

Designed to meet MIL-STD-810-G  
**Operating Temperature Range:** -20C to 70C  
Storage Temperature Range: -40C to 90C  
**Humidity:** 5% to 95% non condensing

- AC input connector, PN MS3102E20-19P
- AC output connectors, PN MS3102E20-19S

### OPTIONS

- Shipboard unit with floating neutral and double pole circuit breakers.
- 230 VAC / 50 Hz
- Multiple AC inputs for paralleling
- Circuit Breaker Amperage ratings

*Variant Models Available Within Mutually Agreed Upon Lead Time:*

**Contact Acumentrics to discuss customized solutions**

APG2500R, 1 AC input, 8 AC output, 115 VAC  
APG2500R-SH, shipboard, 1 AC input, 8 AC output, double pole circuit breakers



Rugged Power  
Distribution Unit  
(PDU)

Contact  
Acumentrics  
to discuss  
customized  
solutions.

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The Rugged PDU (Power Distribution Unit) is designed to provide cable management by having eight output connectors from one Rugged UPS output. Each output has a circuit breaker for over current protection as well as providing manual control of each channel.

