



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

ENVIRONMENTAL

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

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

Rain: Consult factory for this option

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.