



Rugged-UPS™ 2500 International Model



INTERNATIONAL RUGGED SERIES

The Acumentrics Rugged UPS™ 2500 International Series is designed for worldwide deployment in harsh physical and electrical environments.

Our Rugged UPS™ 2500 Series is uniquely suited for use in demanding remote and mobile applications.

The Rugged UPS™ 2500 International Series provides 2000VA of nominal 230VAC / 50Hz output from an input range of 80-265 VAC / 47-400Hz. This wide voltage and frequency tolerance enables users to power up with field generators in any international power standard. Customers can also choose a DC output option.

Our durable and versatile UPS system contains advanced on-line technology to provide highly reliable power back-up and conditioning for the most sensitive electronic devices.

Acumentrics designs and manufactures innovative products for power quality and on-site generation. Product lines include tubular solid oxide fuel cell systems, uninterruptible power supplies, and inverters.

Call today: 800-332-0277

FEATURES:

Flow Through Design

A unique heatsink tunnel design provides maximum cooling while sealing components from the damaging effects of moisture, airborne particles, and other contaminants in the operating environment.

Power Factor Corrected, Wide Input

The Rugged-UPS™ accepts a wide range of voltage and frequency inputs while providing seamless active power-factor correction and clean, reliable AC power.

On-line

This true on-line, double conversion uninterruptible power supply continually creates a pure sine wave AC output from a DC bus, thus protecting sensitive equipment from surges, spikes, brownouts, blackouts, and noise.

User-Replaceable Battery Pack

Zero-maintenance, valve-regulated lead acid batteries are enclosed in a user-replaceable battery pack for rapid, hot-swap field replacement.

Aluminum Chassis

The Rugged-UPS™ is housed in a compact, lightweight chassis. All aluminum, welded construction allows overall weight of the unit to be minimized while still maintaining high durability.

Wide Operating Temperature Range

A rated operating temperature range of -18°C to +50°C (0°F – 122°F) makes this UPS the product of choice for extreme environments.

Communication Port

The microprocessor-controlled Rugged-UPS™ is equipped with a 9-pin communication port for user interface and remote monitoring.

OPTIONAL FEATURES:

DC input

12, 24, 28 or 48VDC Output

Rackmount

Extended Run

SNMP



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BENEFITS:

- Protects sensitive equipment from surges, spikes, brownouts, blackouts, noise.
- Easy to maintain.
- Wide Operating Temperature Range
- Easy to monitor.

MODELS:

ACG2500Ria: Power Conditioner, AC In, 230V/50Hz AC Out
ACG2500Ri-XR: AC In/220V/60Hz AC Out, Full Battery Pack, Extended Run Capability
ACG2500Ria2452B: AC In/AC Out, Full Battery Pack, 24VDC Output
ACG2500Ria28XRP: AC In/230V/50Hz AC Out, 250W 28VDC Output, Full Battery Pack, Extended Run, Parallel Capability
Sample list of available products – other product are available.

INPUT SPECIFICATIONS

Input AC Voltage: 80-265 VAC, single phase
Frequency: 47-400 Hz
AC Input Circuit Breaker Rating: 40A
Input Power Factor: 0.99 typical
Efficiency with 2000W load: AC η = 0.86 DC η = 0.82

OUTPUT SPECIFICATIONS

Continuous Output Power: 2000VA/ 2000W
Peak Output Current: 44A (2000W AC Output)
100A (2000W 28VDC Output [No AC Output])
Note: 71.4A continuous)
AC Output Voltage: 230 VAC +/- 5%
AC Output Frequency: 50 Hz +/- 0.5% (Also available in 220VAC/60Hz)
AC Output Waveform: Sinusoidal
DC Output: 250W, 600W, 1000W or 2000W @ 12, 24, 28 or 48VDC
+/- 5%, 200mVPP, 20MHz bandwidth at full load
Total Harmonic Distortion: <1% with 2000W resistive load

ENVIRONMENTAL

Operating Temperature: -18° C to 50° C (without battery -30°C to 65 °C)
Storage Temperature: -32° C to 66° C (without battery -40°C to 70 °C)
Humidity: 10% to 95% (non condensing)
Altitude: 0 to 15,000 ft operating, 0 to 40,000 ft non-operating
Rain: operates in blown precipitation

BATTERY SPECIFICATIONS

Battery: two ea. 12V/ 33Ah
Type: Zero-maintenance VRLA
Typical Run Time: 8.5 minutes full load (30 min with XR units)
Recharge Time: 4 hours to 90%; temperature compensated float voltage

MECHANICAL

Chassis Size (H x W x D): 7" x 17" x 21"
Weight: 135 lbs. (85 lbs. w/o battery pack)
Connectors: (MIL-C-5015 type)
AC Input: CA02COME22-2PB
DC Input: CA02COME28A16PB
AC Output: CA02COME22-2SWB-F80
DC Output: CA02COME18-10SB

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