



Rugged-UPS™ 2500Ri International Model



INTERNATIONAL RUGGED SERIES

The Acumentrics **Rugged UPS™ 2500Ri (International Model)** is designed for worldwide deployment in harsh physical and electrical environments.

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

The **Rugged UPS™ 2500Ri** provides 2500VA 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 24VDC or 28VDC output options.

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, inverters, and uninterruptible power supplies.

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:

Rackmount

Stainless steel, slide rail kits are available to fit 19" racks, depths 24-30"

Extended Run (XR)

Can be equipped with battery input for additional battery packs.



Rugged-UPS™ 2500Ri

BENEFITS:

- Protects sensitive equipment from surges, spikes, brownouts, blackouts, noise.
- Easy to maintain.
- Won't fail in heat or cold.
- Easy to monitor.

MODELS:

ACG2500Ria2452B: AC In/AC Out (230V/50Hz), Full Battery Pack, 24VDC Output
ACG2500Ri-XR: AC In/AC Out (230V/60Hz), Full Battery Pack, Extended Run Capability

Other configurations may be available. Please call to inquire.

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: 2500VA/ 2000W
AC Output Voltage: 230 VAC +/- 5%
AC Output Frequency: 50 Hz +/- 0.5%
AC Output Waveform: Sinusoidal
DC Output (-24 models only): 250W @ 24 or 28 VDC
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
EMI: FCC Class A, MIL-STD-461E

BATTERY SPECIFICATIONS

Battery Type: Zero-maintenance VRLA
Typical Run Time: 8.5 minutes full load (30 min with XR units and two additional batteries)
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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