

## Rugged-UPS™ 2U Series



### RUGGED SERIES

The Acumentrics **Rugged UPS™ 2U Series** is designed for worldwide deployment in harsh physical and electrical environments.

Our **Rugged UPS™ 2U series** places our trusted conditioning and backup technology into a convenient 2U form factor.

This **Rugged UPS™ 2U series** provides 1250VA or 850VA of nominal 115VAC 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.

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:

#### Power Factor Corrected, Wide Input Range

The **Rugged-UPS™ 2U** 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 replacement.

#### Aluminum Chassis

The **Rugged-UPS™ 2U** 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.

#### Weather Resistant

Our gasket sealed enclosure and filtered air intake protects internal components from the damaging effects of airborne contaminants in the operating environment.

#### 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, DC Output

20-32 VDC input option.

24V or 48V DC outputs optional, call for details

#### Rackmount

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

#### Extended Run

Can be equipped with external battery input for extended run operation.

**BENEFITS:**

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

**MODELS:**

- ACG1252R-18B:* 1250VA, AC In/AC Out, Full Battery Pack
- ACG1252U-18B:* 1250VA, AC In/AC Out, DC In, Full Battery Pack
- ACG1252R-XR:* 1250VA, AC In/AC Out, Full Battery w/ extended run capability
- ACG850R-18B:* 850VA, AC In/AC Out, Full Battery Pack
- ACG850U-18B:* 850VA, AC In/AC Out, DC In, Full Battery Pack
- ACG850R-XR:* 850VA, AC In/AC Out, Full Battery Pack w/ extended run capability

**INPUT SPECIFICATIONS**

- Input AC Voltage:* 80-265 VAC
- Frequency:* 47-400 Hz
- AC Input Circuit Breaker Rating:* 20A
- Input Power Factor:* 0.99 typical
- Efficiency with 1000W load:* ACu = 0.80 DCu = 0.76

**OUTPUT SPECIFICATIONS**

- Continuous Output Power:* 1250VA/ 1000W or 850VA/ 600W
- Load Crest Factor:* 2.5 continuous
- AC Output Voltage:* 115 VAC +/- 5%
- AC Output Frequency:* 60 Hz +/- 0.5%
- AC Output Waveform:* Sinusoidal
- DC Output (optional):* 48 and 24 DC at 250W
- Total Harmonic Distortion:* 1.5% with 1000W resistive load

**ENVIRONMENTAL**

- Operating Temperature:* -18° C to 50° C
- Storage Temperature:* -32° C to 66° C
- Humidity:* 10% to 95%
- Altitude:* 0 to 15,000 ft operating, 0 to 40,000 ft non-operating
- Rain:* operates in blown precipitation

**BATTERY SPECIFICATIONS**

- Battery:* Two each 12V/ 9Ah
- Type:* Zero-maintenance VRLA
- Typical Run Time:* 4 minutes full load
- Recharge Time:* 4 hours to 90%

**MECHANICAL:**

- Chassis Size (H x W x D):* 3.5" x 17" x 24"
- Case:* Aluminum
- Weight:* 75 lbs.

Acumentrics Corporation  
20 Southwest Park  
Westwood, MA 02090  
Tel: 800-332-0277  
FAX: 781-461-1261  
www.acumentrics.com

