

## Industrial-UPS 700



### INDUSTRIAL SERIES

The Acumentrics **Industrial-UPS 700** is designed for worldwide deployment in harsh physical and electrical environments.

Our **Industrial-UPS 700** is uniquely suited for use in demanding shipboard or mobile applications.

The **Industrial-UPS 700** provides 700VA of nominal 115VAC output from an input range of 80-265 VAC / 47-63Hz. This wide voltage and frequency tolerance enables users to power up with field generators, in any international power standard. Optional shipboard models incorporate a double-pole circuit breaker approved for use with shipboard Delta power.

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 cells, uninterruptible power supplies and inverters.*

Call today: 800-332-0277

### FEATURES:

#### **Power Factor Corrected, Wide Input**

The **Industrial-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 **Industrial-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.

#### **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 **Industrial-UPS** is equipped with a 9-pin communication port for user interface and remote monitoring.

### OPTIONAL FEATURES:

#### **Shipboard**

The **Industrial-UPS** is available with an optional double-pole circuit breaker for use with shipboard Delta power.

#### **Rackmount**

Stainless steel, slide rail kits are available to fit 19" racks, depths 20-32"

## **BENEFITS:**

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

## **MODELS:**

*(All models available in shipboard configuration)*

*ACG700D: AC input, AC output, battery*

*ACG700C: AC input, AC output, power conditioner only*

## **INPUT SPECIFICATIONS**

*Input AC Voltage: 80-265 VAC, single or optional 3-phase*

*Frequency: 47-63 Hz*

*AC Input Circuit Breaker Rating: 20A*

*Input Power Factor: 0.99 typical*

*Efficiency with 500W load:  $AC\eta = 0.80$*

## **OUTPUT SPECIFICATIONS**

*Continuous Output Power: 700VA/ 500W*

*AC Output Voltage: 115 VAC +/- 5%*

*AC Output Frequency: 60 Hz +/- 0.5%*

*AC Output Waveform: Sinusoidal*

*Load Crest Factor: 2.2 Continuous*

*Total Harmonic Distortion: 1.5% with 500W resistive load*

## **ENVIRONMENTAL**

*Operating Temperature: -18° C to 50° C*

*Storage Temperature: -32° C to 66° C*

*Humidity: 10% to 95% (non condensing)*

*Altitude: 0 to 15,000 ft operating, 0 to 40,000 ft non-operating*

*EMI: FCC Class A*

## **BATTERY SPECIFICATIONS**

*Battery: 3 ea. 12V/ 7Ah*

*Type: Zero-maintenance VRLA*

*Typical Run Time: 11 minutes full load*

*Recharge Time: 2 hours to 90%*

## **MECHANICAL**

*Chassis Size (H x W x D): 3.5" x 17" x 16"*

*Weight: 44 lbs.*

*Connectors:*

*AC Input: 6' line cord with NEMA 5-15P*

*AC Output: (6) NEMA 5-15R*

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ISO 9001:2008 Certified

**Acumentrics**