Capacity

☑ Small   ☑ Midsize   ☐ Enterprise level

Applications

☑ Network/Server   ☑ VoIP Systems   ☑ IP/Analog Phone & Security

☑ Traffic Control & Monitoring

Protection For Harsh Environments

The new ERS Ruggedized UPS is a value-priced, yet feature-rich UPS incorporating line-interactive technology that preserves battery power by providing automatic voltage regulation during brownouts or voltage sags, and other fluctuations in utility power. Designed to efficiently operate in extreme temperature rated environments, the ERS can be used to support Servers, Telecom equipment, VoIP systems, Security systems, Traffic control and monitoring equipment or a variety of other applications where standard UPS products are unable to operate.

A front panel LED display provides visual notification of the UPS status, including AC input status, battery status, and UPS fault indication.

Equipped for Extreme Environments

The ERS Ruggedized UPS offers an expanded temperature range suited for use in installations where standard UPSs typically will not function. High Temperature batteries and temperature-compensated charging combine to provide an operating temperature range from +5 to +122°F (-15 to +50°C), making the ERS an economical and rugged choice for backing up equipment with extreme installation parameters.

Versatile Communications

Each ERS Ruggedized UPS is installed with an SNMP management card for remote management and monitoring over a LAN. The UPS includes a RS232 serial port and a USB port for communications and management using a local PC/Server when partnered with Minuteman's SentryPlus™ software, which can be downloaded for free from www.minutemanups.com.

Designed for versatility, the ERS can be mounted in a standard rack using the included rackmount brackets. The brackets can also be attached to the unit to allow it to stand as a tower. An optional kit is also available for mounting the unit directly on a wall.

ERS Ruggedized UPS Features

The ERS offers a wide range of features which make it a perfect solution for complete power protection in harsh environments:

- **Built to withstand extreme environments**
  Wider operating range (-15 to 50°C) for use in extreme environments

- **High Temperature Batteries and Temperature-compensated Charging**
  Higher heat range batteries and automatically adjusted charging voltage depending on the ambient temperature for increased battery life

- **Conformal Coating on all electronics**
  Resists corrosion due to high humidity installations

- **Rugged LED Display**
  Display panel communicates UPS status and resists extreme environment factors

- **Flexible Installation Formats**
  the ERS can be installed in a rack or as a floor standing tower. An optional kit allows for wallmounting capability.

- **SNMP Communications**
  Using the pre-installed SNMP-NV6 card, each ERS can be attached to a LAN and remotely managed using an industry-standard NMS or web browser.

- **RS232 and USB Communications**
  Includes HID-compliant RS232 serial communication port and USB port (no additional software required for recognition by Windows for either port)

- **Compatible with Minuteman SentryPlus software**
  Provides auto-shutdown and monitoring capabilities through RS232 serial or USB connections to a local PC/Server.

- **Fax/Modem/Network Line Protection**
  the ERS provides a low-cost means of protecting fax/modem/ Ethernet lines.

- **RoHS Compliant**
  All ERS units are manufactured in accordance with European Union Reduction of Hazardous Substances directives (2011/65/EU) to reduce environmental impact*

- **Warranty**
  Each ERS is covered by a 1-year parts and labor warranty and $100,000 Minuteman Platinum Protection Plan (Continental U.S. and Canada Only)

Optional Monitoring Accessories

- **Temperature/Humidity Sensor**
  Add an optional ENV-PROBE to the UPS to monitor the ambient environmental conditions of the installation site and configure the UPS to initiate actions to a variety of triggered alarms.

ERS1500RTNC shown in tower and rackmount configurations

*Excludes lead acid batteries

MINUTEMAN®
POWER TECHNOLOGIES
by Para Systems, Inc.

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Minuteman® ERS Ruggedized Line-Interactive UPS Specifications

	Model Number	ERS1500RTNC
General	Apparent Output Power	1500VA
	Active Output Power	1050Watts
	Power Factor	0.7
	Topology	Line-Interactive
	Type	Rackmount/Wallmount/Tower
Input	Voltage Range	90 to 150VAC
	Frequency Range	50/60Hz ±5Hz auto-sensing
	Typical Transfer Time	6-10 ms (max 10 ms)
	AC Leakage Current	<1.0mA at full rated non-linear load
	Surge Protection	1140 joules
Output: Non-battery	Voltage Range	104 to 132VAC
	Frequency	50/60Hz ±5Hz.
	Wave Form	Sine wave
	Efficiency (AC-AC)	>90% at full rated non-linear load
	Normal Mode Noise	< 2.0Volts peak to peak at a full rated load
	Common Mode Noise	< 0.5Volts peak to peak at a full rated load
Output: Battery	Voltage	120VAC
	Voltage Regulation	120VAC ±5% until low battery warning
	Frequency	±0.5Hz unless synchronized to line
	Wave Form	Stepped sine wave
	Peak Output Voltage	< 190Vpk at loads > 100Watts
	Dynamic Response	±10% at 100% load change in 30 ms
	Efficiency (DC-AC)	>65% at full rated non-linear load
	Normal Mode Noise	< 2.0Volts peak to peak at a full rated load
	Common Mode Noise	< 2.0Volts peak to peak at a full rated load
Battery System	Hot Swappable Battery	Yes
	Internal Battery	Yes
	DC Leakage Current	<30uA (±10uA) with no AC applied and the unit in the off position
	Battery Type	Sealed, non-spillable, maintenance-free, lead acid, High-temperature Rated
	Half Load (non-linear) @ 25ºC	13 min.
	Full Load (non-linear) @ 25ºC	3 min.
Environ.	Operating Temperature	+5 to +122°F (-15 to +50°C) at 0 to +5,000 ft. (0 to +1,500m)
	Storage Temperature	-4 to +140°F (-20 to +60°C) at 0 to +50,000 ft. (0 to +15,000m)
	Operating/Storage Humidity	0 to 95% Non-condensing
Phys.	Size - Net - LxWxH (Shipping)	15.7 x 17.3 x 3.5" / 398 x 440 x 89mm (20.7 x 21.9 x 8.5" / 526 x 555 x 215mm)
	Weight - Net (Shipping)	43.0 lbs. / 19.5 Kgs. (48.5 lbs. / 22.0 Kgs.)
Regulatory	Safety and Approvals	cTUVus (Conforms to UL1778 4th Edition & CSA 22.2 no. 107.3-05, RoHS
	EMC Verification	FCC Class B, CE Certified
	Warranty • Platinum Protection	1-year parts and labor; $100,000 Platinum Protection

ERS Features

1	LED Status Display	5	SNMP Communications Card
2	Rack/Tower Convertible Mounts	6	Six (6) Battery & Surge Outlets
3	USB and RS-232 Ports	7	Two (2) Surge-only Outlets
4	Phone/Fax/Network Protection	8	10 ft. Input Power Cord

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