

Perfect Protection For Rack-Mount Systems

The PRO-RT Series is a value-priced, yet feature-rich UPS incorporating line-interactive technology that preserves battery power by providing voltage regulation during brownouts or voltage sags. The PRO-RT Series can be used to support servers, telecom or VoIP systems, security systems, plus many other applications.

An LCD display provides visual notification of power status, including input voltage, frequency, percent of battery charge, estimated runtime, plus many other conditions.

Versatile Communications

Each PRO-RT model includes Minuteman's SentryPlus® power management and diagnostic software. When installed on a workstation or server, the user gains complete control over monitoring and managing the UPS using a convenient web browser-based interface. The SentryPlus software communicates via a built-in USB port or through a RS-232 connector on the UPS. In addition, managing the UPS within a Network Management System (NMS) is easy with the installation of an optional SNMP card.

Designed for versatility, the PRO-RT models can be mounted in a standard rack using the included rackmount ears. These ears can also be attached to the unit to allow it to stand as a tower. An optional kit is available for mounting the unit to a wall.

High-end Features - Budget Friendly Price

The PRO-RT offers many features normally found on higher priced models, including an LCD status display which shows the following:

- **Input / Output voltage and frequency**
Monitor the status of your utility power
- **UPS and battery mode / status**
Eliminate guesswork with straightforward display of the unit's status
- **Load capacity**
Load indicator shows how much electrical load is being placed on the unit
- **Estimated runtime based on connected load**
Find out how much backup time remains during a blackout right on the unit

*Excludes lead acid batteries

Capacity

- Small Midsize Enterprise level

Applications

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

In addition to the LCD display, the PRO-RT also offers:

- **Rack/tower installation**
(2U rack height) or wall mounting with optional kit
- **Minuteman SentryPlus Software**
SentryPlus auto-shutdown and monitoring software is included with every unit.
- **RS-232 and USB Communications**
No special USB drivers are required for USB communications. Both units are automatically recognized by Microsoft® Windows® as HID-compliant devices – similar to a mouse or a keyboard.
- **SNMP compatible**
Each PRO-RT unit can be managed on a network with the addition of an optional SNMP management card. NC models feature pre-installed network card.
- **Fax/Modem/Network Line Protection**
The PRO-RT UPS provides a low cost means of protecting fax/modem/network lines.
- **RoHS Compliant**
All PRO-RT products are manufactured using non-hazardous* materials making them safer for the environment and a green-friendly addition to any data center.
- **Independent Battery Bypass**
Provides voltage regulation with surge and spike protection even when batteries are weak or dead.
- **Warranty**
Each PRO-RT UPS system is covered by a three-year parts and labor warranty and \$100,000 Minuteman Platinum Protection Plan® (U.S.A. and Canada only).



Minuteman® PRO-RT™ Series Line-Interactive UPS Specifications

NC models include pre-installed network card

Model Number	PRO1000RT / PRO1000RTNC	PRO1500RT / PRO1500RTNC
VA Rating	1000VA	1500VA
Max Output Power	700Watts	1050Watts
Output Receptacles	(6) NEMA 5-15R Battery & surge (2) NEMA 5-15R Surge only	(6) NEMA 5-15R Battery & surge (2) NEMA 5-15R Surge only
Input Connection	10 ft. Power cord with NEMA 5-15P	
Input (non-battery operation)		
Voltage Range	90 to 150VAC	
Frequency Range	50/60Hz ±5Hz, auto-sensing	
AC Leakage Current	<1.0mA at full rated non-linear load	
Input Protection	Resettable circuit breaker	
Output (non-battery operation)		
Voltage Range	104 to 132VAC	
Frequency	50/60Hz ±5Hz	
Efficiency (AC-AC)	>90% at full rated non-linear load	
Output (battery operation)		
Voltage	120VAC	
Voltage Regulation	Nominal ±5% until low battery warning	
Frequency	50/60Hz, ±0.5Hz (unless synchronized to utility)	
Wave Form	Simulated sine wave	
Typical Transfer Time	6-10 ms (max 10ms)	
Overload Capacity	110% for 10 seconds, 120% shutdown immediately	
Protection	Over-current, short-circuit protected, and latching shutdown	
Estimated Runtimes - Full /Half Load	5 min. / 16 min.	5 min. / 17 min.
Battery System		
Hot Swappable Battery	Yes	
Internal Battery Module	BM0043	BM0044
DC Leakage Current	<30uA (±10uA) with no AC applied and the unit in the off position	
Battery Type	Sealed, non-spillable, maintenance-free, valve-regulated lead acid	
Surge Protection		
Surge Energy rating	1140 joules	
Surge Current Capacity	6500 Amps total	
Surge Response Time	0-ns (instantaneous) normal mode; <5ns common mode	
Certifications		
Agency Approvals	cTUVus (conforms to UL1778, CSA 22.2 standards), CE	
EMI/RFI Filtering	FCC Part 15 Class B, EN5022, EN61000-6-1, EN61000-6-3, EN61000-4-5	
Environmental		
Temperature : Operating (Storage)	0° to +40°C / +32° to +104°F (-15° to +45°C / +5° to 113°F)	
Humidity: Operating & Storage	0 to 95% non condensing	
Elevation: Operating (Storage)	0 to +3,000 m / 0 to +10,000 ft (0 to +15,000 m / 0 to +50,000 ft)	
Physical		
Weight: Lbs/Kgs	35.1 / 15.9	43.0 / 19.5
Dimensions (H x W x D): Inch/mm	3.5" x 17.3" x 15.7" / 89 x 440 x 398	



PRO-RT Series Features

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



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Para Systems, Inc. | Minuteman Power Technologies
 1455 LeMay Drive | Carrollton, Texas 75007 | 972.446.7363 | 800.238.7272
www.minutemanups.com | www.sizemyups.com