

## PRO-RT<sup>™</sup> Series Line-Interactive UPS PR01000/PR01500RT

#### **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	🗹 Midsi	ze 🗆 Enterpris	se level
Applications	k/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.

- 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.

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<sup>®</sup> PRO-RT<sup>™</sup> Series Line-Interactive UPS Specifications

Model Number         PR01500RT         PR01500RT           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 Surge only           Input Connection         10 ft. Power cord with NEMA 5-15R Surge only         (2) NEMA 5-15R Surge only           Voltage Range         90 to 150VAC           Frequency Range         6000Hz ±5Hz, auto-sensing           AC Leakage Current         <10-MA at full rated non-linear load           Input fono-battery operation         Resettable circuit breaker           Voltage Range         104 to 132VAC           Frequency         >30% at full rated non-linear load           Uptut (ton-battery operation)         Voltage Range           Voltage Range         104 to 132VAC           Frequency         >30% at full rated non-linear load           Uptut (ton-battery operation)         Voltage Regulation           Voltage Regulation         Nomial ±5% until tow battery warning           Frequency         50%60Hz, ±0.51± (untess synchronized to utility)           Wave Form         Simulated sine wave           Typical Transfer Time         6-10 ns (nax 10ms)           Output (battery operation) <t< th=""><th></th><th></th><th>•</th></t<>			•		
Max Output Power         700Watts         1060Watts           Output Receptacles         (6) NEMA 5-15R Battery & surge (2) NEMA 5-16R Battery of (2) NEMA 5-16R Battery & surge (2) NEMA 5-16R Battery of (2) NEMA 5-16R Surge only           Input Connection         10 ft. Power cord with NEMA 5-15P           Input Connection         10 ft. Power cord with NEMA 5-15R           Voltage Range         90 to 150VAC           Frequency Range         50/60Hz 45Hz, auto-sensing           A CLeakage Current         <1.0m At full rated non-linear load           Input Protection         Resettable circuit breaker           Voltage Range         104 to 132VAC           Frequency         50/60Hz 45Hz           Voltage Range         104 to 132VAC           Frequency         50/60Hz 45Hz           Voltage Range         104 to 132VAC           Frequency         50/60Hz 45Hz           Voltage Range         100 to 132VAC           Voltage Range         100 to 132VAC           Voltage Regulation         Nominal ±5% until low battery warning           Frequency         50/60Hz, a.05Hz (unless synchronized to utility)           Wave Form         Simulated sine wave           Typical Transfer Time         610 ms (max 10ms)           Overload Capacity         110% for 10 seconds, 120% shutdown immediately <th>Model Number</th> <th>PR01000RT</th> <th>PR01500RT</th>	Model Number	PR01000RT	PR01500RT		
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 5-15R Surge only         (2) NEMA 5-15R Surge only           Input Connection         10 ft. Power cord with NEMA 5-15R Surge only           Prequency Range         50/60/Hz ±5Hz, auto-sensing           AC Leakage Current         <10/70 At full rated non-linear load           Input Protection         Resettable circuit breaker           Output (non-battery operation)         32/VAC           Frequency         50/60/Hz ±5Hz           Efficiency (AC-AC)         >90% at full rated non-linear load           Output (battery operation)         32/VAC           Voltage Regulation         Nominal ±5% until low battery warning           Frequency         50/60/Hz ±5Hz           Voltage Regulation         Nominal ±5% until low battery warning           Frequency         50/60/Hz ±0/Hz           Voltage Regulation         Nominal ±5% until low battery warning           Frequency         50/60/Hz ±0/HZ           Voltage Regulation         Nominal ±5% until low battery warning           Frequency         50/60/Hz ±0/HZ           Voltage Regulation         Nominal ±5% until low battery wording           Transfer Time					
(2) NEMA 5-15R Surge only       (2) NEMA 5-15R Surge only         Input Connection       10 ft. Power cord with NEMA 5-15P         Input (non-battery operation)       90 to 1500/AC         Frequency Range       50/06/Hz ±5Hz, auto-sensing         AC Leakage Current       <10/07 Aa tuil rated non-linear load         Input fortection       Resettable circuit breaker         Output (non-battery operation)       Voltage Range         Voltage Range       104 to 132VAC         Frequency       50/06/Hz ±5Hz         Voltage Range       104 to 132VAC         Frequency       50/06/Hz ±5Hz         Voltage Range       102VAC         Voltage Range       120VAC         Voltage Regulation       Nominal ±5% until low battery warning         Frequency       50/06/Hz, ±0.5Hz         Voltage Regulation       Nominal ±5% until low battery warning         Frequency       50/06/Hz, ±0.5Hz         Wave Form       Simolated sine wave         Typical Transfer Time       0-10 ms (max 10ms)         Overload Capacity       110% for 10 seconds, 120% shutdown immediately         Protection       Over-carent, short-circuit protected, and latching shutdown         Estimated Runtimes - Full /Half Load       5 min / 16 min.         DC Leakage Current	Max Output Power	700Watts	1050Watts		
Input Connection         10 ft. Power cord with NEMA 5-15P           Input (non-battery operation)         90 to 150VAC           Frequency Range         50/60Hz ±5Hz, auto-sensing           AC Leakage Current         <1.0mA at full rated non-linear load           Input (non-battery operation)         Resettable circuit breaker           Voltage Range         104 to 132VAC           Frequency         50/60Hz ±5Hz           Voltage Regulation         104 to 132VAC           Frequency         50/60Hz ±5Hz           Voltage Regulation         Nominal ±5% until low battery warning           Frequency         50/60Hz ±0.5Hz (unless synchronized to utility)           Wave Form         Sindulated 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.           Battery System         Yes           Internal Battery Module         BM0043           DC Leakage Current         <30.04 (x100.4) with no AC applied and the unit in the of position           Surge Response Time         0-ns (instantaneous) normal mode; <5ms common mode           Curretifications	Output Receptacles		(6) NEMA 5-15R Battery & surge		
Input (non-battery operation)           Voltage Range         90 to 150VAC           Frequency Range         50%0Hz ±5Hz, auto-sensing           AC Leakage Current         <1.0mA at full rated non-linear load           Input Protection         Resettable circuit breaker           Output (non-battery operation)         Resettable circuit breaker           Voltage Range         104 to 132VAC           Frequency         50%0Hz ±5Hz           Efficiency (AC-AC)         >90% at full rated non-linear load           Utput (battery operation)         120VAC           Voltage Regulation         Nominal ±5% until low battery warning           Frequency         50%0Hz, ±0.5Hz (unless synchronized to utility)           Way Form         Simulated sine wave           Typical Transfer Time         6-10 ms (max 10ms)           Overtoad Capacity         110% for 10 seconds, 120% shutdown immediately           Protection         Over-current, short-circuit protected, and latching shutdown           Estimated Runtimes - Full /Half Load         5 min. / 17 min.           Battery System         Yes           Internal Battery Module         BM0043         BM0044           DC Leakage Current         <3004 (±10uA) with no AC applied and the unit in the of position           Battery Type         Sealed, non-spiltable,					
Voltage Range         90 to 150VAC           Frequency Range         50/60/Hz ±5Hz, suto-sensing           AC Leakage Current         <1.0m At Iull rated non-linear load           Input Protection         Resettable circuit breaker           Output (non-battery operation)         Voltage Range           Frequency         50/60Hz ±5Hz           Efficiency (AC-AC)         >90% at full rated non-linear load           Output (battery operation)         Voltage Regulation           Voltage Regulation         120VAC           Voltage Regulation         Nominal ±5% until to battery warning           Frequency         50/60Hz, ±5.Hz           Voltage Regulation         Nominal ±5% until to battery warning           Voltage Regulation         Nominal ±5% until to bottery warning           Verequency         50/60Hz, ±0.12%           Vare Form         Simulated sine wave           Typical Transfer Time         6-10 ms (nus 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.           Battery Module         BM0043         BM0044           DC Leaskage Current         <300A (±10uA) with no AC applied an	Input Connection	10 ft. Power cord with NEMA 5-15P			
Frequency Range         50/60H2 ±5Hz, auto-sensing           AC Leakage Current         <1.0mA at full rated non-linear load           Input Protection         Resettable circuit breaker           Output (non-battery operation)         Resettable circuit breaker           Voltage Range         104 to 132VAC           Frequency         50/60Hz ±5Hz           Efficiency (AC-AC)         >90% at full rated non-linear load           Output (battery operation)         120VAC           Voltage Regulation         Nominal ±5% until low battery warning           Frequency         50/60Hz, ±0.5Hz (unless synchronized to utility)           Ware Form         Simulated sine wave           Typical Transfer Time         0/0 re - current, short-circuit protected, and latching shutdown           Protection         Over-current, short-circuit protected, and latching shutdown           Estimated Runtimes - Full /Half Load         5 min. / 16 min.         5 min. / 17 min.           Hot Swappable Battery         Yes         Internal Battery System           Hot Swappable Battery         Yes         Surge Current           Surge Current         <30uA (±10uA) with no AC applied and the unit in the off position           Surge Current Capacity         Sealed, on-spillable, maintenance-free, valve-regulated lead acid           Surge Current Capacity         Sea		Input (non-battery operation)			
AC Leakage Current       <1.0mA at full rated non-linear load         Input Protection       Resettable circuit breaker         Output (non-battery operation)       104 to 132VAC         Frequency       50/60Hz ±5Hz         Efficiency (AC-AC)       >90% at full rated non-linear load         Output (battery operation)       0utput (battery operation)         Voltage Regulation       120VAC         Frequency       50/60Hz, ±0.5Hz         Frequency       50/60Hz, ±0.5Hz         Voltage Regulation       Nominal ±5% until low battery warning         Frequency       50/60Hz, ±0.5Hz         Wave Form       Simulated sine wave         Typical Transfer Time       0.50/60Hz, ±0.5Hz         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.         Battery System       Yes         Internal Battery Module       BM0043         Battery Type       Seaded, non-splitable, maintenance-free, valve-regulated lead acid         Surge Energy rating       1140 joules         Surge Current       6500 Amps total         Surge Response Time       O-ns (instantaneous) normal mode; <5ns common mode     <	Voltage Range	90 to 150VAC			
Input Protection         Resettable circuit breaker           Output (non-battery operation)         Output to 132VAC           Frequency         50/60/l2 ±5Hz           Efficiency (AC-AC)         >90% at full rated non-linear load           Output (battery operation)         Voltage           Voltage Regulation         120VAC           Voltage Regulation         Nominal ±5% until low battery warning           Frequency         50/60/l2, ±0.5Hz (unless synchronized to utility)           Wave Form         Simulates synchronized to utility)           Wave Form         Simulated sine wave           Typical Transfer Time         6-10 ms (max 10ms)           Overcurrent, short-circuit protected and latching shutdown         Estimated Runtimes - Full /Half Load           Stimated Runtimes - Full /Half Load         5 min. / 16 min.           Battery System         58/80/ladd (±10uA) with no AC applied and the unit in the off position           Battery Type         Salad (±10uA) with no AC applied and the unit in the off position           Battery Type         Salad (±10uA) with no AC applied and the unit in the off position           Battery Type         Salad (±10uA) with no AC applied and the unit in the off position           Surge Current Capacity         6500 Amps total           Surge Regrasting         1140 joules <td< th=""><th>Frequency Range</th><th colspan="3">50/60Hz ±5Hz, auto-sensing</th></td<>	Frequency Range	50/60Hz ±5Hz, auto-sensing			
Output (non-battery operation)           Voltage Range         104 to 132VAC           Frequency         50/60/Hz ±5Hz           Efficiency (AC-AC)         >90% at full rated non-linear load           Output (battery operation)         Voltage           Voltage Regulation         Nominal ±5% until low battery warning           Frequency         50/60Hz, do 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         Yes         Internal Battery Module         BM0044           DC Leakage Current         <300.4 (±10uA) with no AC applied and the unit in the off position         Surge Energy rating         Surge Protection           Surge Response Time         O-ns (instantaneous) normal mode; -5ns common mode         Certifications           Regure Approvals         Cert UVus (conforms to UL1778, CSA 22.2 standards), CE         Environmental           Temperature : Operating (Storage)         0 to +400°C / +42° to +104°F (-15° to +45°C / +5° to 113°F)         Huidity: Operating & Storage	AC Leakage Current	<1.0mA at full rated non-linear load			
Voltage Range         104 to 132VAC           Frequency         50000Hz ±5Hz           Efficiency (AC-AC)         >90% at full rated non-linear load           Output (battery operation)         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 /Haff Load         5 min. / 16 min.         5 min. / 17 min.           Battery System         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 Energy rating         1140 joules           Surge Response Time         O-ns (instantaneous) normal mode; <5ns common mode           Certifications         Certifications           Agency Approvals         CTUVus (conforms to U.177R, CSA 22.2 standards), CE           EMVERT Filtering         FCC Part 15 Class B, EN5022, EN61000-6-1, EN61000-6-3, EN61000-4-5	Input Protection	Resettable circuit breaker			
Voltage Range         104 to 132VAC           Frequency         50000Hz ±5Hz           Efficiency (AC-AC)         >90% at full rated non-linear load           Output (battery operation)         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 /Haff Load         5 min. / 16 min.         5 min. / 17 min.           Battery System         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 Energy rating         1140 joules           Surge Response Time         O-ns (instantaneous) normal mode; <5ns common mode           Certifications         Certifications           Agency Approvals         CTUVus (conforms to U.177R, CSA 22.2 standards), CE           EMVERT Filtering         FCC Part 15 Class B, EN5022, EN61000-6-1, EN61000-6-3, EN61000-4-5		Output (non-hattery operation)			
Frequency       50/60Hz ±5Hz         Efficiency (AC-AC)       >90% at full rated non-linear load         Output (battery operation)       0         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       Yes       Internal Battery Module       BM0043       BM0044         DC Leakage Current       <30uA (±10uA) with no AC applied and the unit in the off position       Surge Protection       Surge Protection         Surge Energy rating       1140 joules       Surge Current Capacity       65:00 Amps total         Surge Response Time       O-ns (instantaneous) normal mode; <5m common mode       EMURFI Filtering         Agency Approvals       CTUVus (conforms to UL1778, CSA 22.2 standards), CE       EMURFI Filtering         Temperature : Operating (Storage)       0 % to 440°C / 432° to +104°F (-15° to +45°C / +5° to 113°F)       Humidity: Operating	Voltage Range				
Efficiency (AC-AC)       >90% at full rated non-linear load         Output (battery operation)         Voltage       120VAC         Voltage Regulation       120VAC         Voltage Regulation       Nominal ±5% until low battery warning         Frequency       50/60Hz, ±0.5Hz (unless synchronized to utility)         Wave Form       G-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.         Battery System       5 min. / 17 min.         Hot Swappable Battery       Yes         Internal Battery Module       BM0043         Battery Type       Sealed, non-splitable, maintenance-free, valve-regulated lead acid         Surge Portection       Surge Protection         Surge Energy rating       1140 joules         Surge Response Time       0-ns (instantaneous) normal mode; <5ns common mode         Certifications       Certifications         Agency Approvals       CTUVus (conforms to UL1778, CSA 22.2 standards), CE         EM/RFI Filtering       FCC Part 15 Class B, EN5022, EN61000-6-1, EN61000-6-3, EN61000-4-5         Environmental       0 to 95% non condensing         Elevation: Opera					
Output (battery operation)           Voltage         120VAC           Voltage Regulation         120VAC           Voltage Regulation         Nominal ±5% until low battery warning           Frequency         50/60Hz, ±0.SHz (unless synchronized to utility)           Wave Form         Simulated sine wave           Overload Capacity         6-10 ms (max 10ms)           Overcload 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.           Battery System         Yes           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 Energy rating         1140 joules           Surge Current Capacity         6500 Amps total           Surge Response Time         0-ns (instantaneous) normal mode; <5ns common mode           Cartifications         Cartifications           Agency Approvals         GTUVus (conforms to UL1778, CSA 22.2 standards), CE           EM/RFI Filtering         <	· · ·				
Voltage         120VAC           Voltage Regulation         Nominal ±5% until low battery warning           Frequency         50/60H2, ±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         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 Energy rating         1140 joules           Surge Response Time         0-ns (instantaneous) normal mode; <5ns common mode           Certifications         Certifications           Agency Approvals         CTUVus (confrast to UL1778, CSA 22.2 standards), CE           EM/RFI Filtering         FCC Part 15 Class B, EN5022, EN61000-6-1, EN61000-6-3, EN61000-4-5           Environmental         0 to e3,000 m / 0 to e10,000 ft (0 to +15,000 m / 0 to +50,000 ft)           Humidity: Operating (Storage)					
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.           Battery System         Yes           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 Energy rating         1140 joules           Surge Current Capacity         6500 Amps total           Surge Response Time         0-ns (instantaneous) normal mode; <5ns common mode           Certifications         Agency Approvals           EMVRFI Filtering         FCC Part 15 Class B, EN5022, EN61000-6-1, EN61000-6-3, EN61000-4-5           Environmental         0 to +40°C / +32° to +104°F (-15° to +45°C / +5° to 113°F)           Humidity: Operating (Storage)         0 to +40°C / +32° to +104°F (-15° to +45°C / +5°	Voltage		)\/AC		
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 Energy rating       1140 joules         Surge Response Time       0-ns (instantaneous) normal mode; <5ns common mode         Certifications       Agency Approvals         GTUVus (conforms to UL1778, CSA 22.2 standards), CE       EMVRFI Filtering         Temperature : Operating (Storage)       0° to +40°C / +32° to +104°F (-15° to +45°C / +5° to 113°F)         Humidity: Operating & Storage       0° to +40°C / +32° to +104°F (-15° to +45°C / +5° to 113°F)         Humidity: Operating & Storage       0° to +40°C / +32° to +104°F (-15° to +45°C / +5° to 113°F)         Humidity: Operating & Storage       0° to +40°C / +32° to +104°F (-1					
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.         Battery System       5 min. / 17 min.         Hot Swappable Battery       Yes         Internal Battery Module       BM0043         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 Energy rating       1140 joules         Surge Current Capacity       6500 Amps total         Surge Response Time       0-ns (instantaneous) normal mode         Certifications       Certifications         Agency Approvals       cTUVus (conforms to UL1778, CSA 22.2 standards), CE         EM/RFI Filtering       FCC Part 15 Class B, EN5022, EN61000-6-1, EN61000-6-3, EN61000-4-5         Environmental       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)         Weight: Lbs/Kgs       35.1 / 15.9       43.0 / 19.5					
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.         S min. / 16 min.       5 min. / 17 min.         Battery System       BM0044         DC Leakage Current       S0043         Battery Type       Sealed, non-spillable, maintenance-free, valve-regulated lead acid         Surge Energy rating       1140 joules         Surge Response Time       0-ns (instantaneous) normal mode; <5ns common mode         Certifications       Certifications         Agency Approvals       CTUVus (conforms to UL1778, CSA 22.2 standards), CE         EM/RFI Filtering       FCC Part 15 Class B, EN5022, EN61000-6-1, EN61000-6-3, EN61000-4-5         Emvironmental       0° to +40°F (-15° to +45°C / +5° to 113°F)         Humidity: Operating & Storage       0 to +53,000 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					
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.         S min. / 16 min.       5 min. / 17 min.         Battery System       BM0044         DC Leakage Current       S0043         Battery Type       Sealed, non-spillable, maintenance-free, valve-regulated lead acid         Surge Energy rating       1140 joules         Surge Response Time       0-ns (instantaneous) normal mode; <5ns common mode         Certifications       Certifications         Agency Approvals       CTUVus (conforms to UL1778, CSA 22.2 standards), CE         EM/RFI Filtering       FCC Part 15 Class B, EN5022, EN61000-6-1, EN61000-6-3, EN61000-4-5         Emvironmental       0° to +40°F (-15° to +45°C / +5° to 113°F)         Humidity: Operating & Storage       0 to +53,000 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					
Estimated Runtimes - Full /Half Load       5 min. / 16 min.       5 min. / 17 min.         Battery System       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 Energy rating       1140 joules         Surge Current Capacity       6500 Amps total         Surge Response Time       0-ns (instantaneous) normal mode; <5ns common mode         Certifications       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       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       35.1 / 15.9       43.0 / 19.5					
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 Energy rating         Surge Protection         Surge Current Capacity         Surge Response Time         O-ns (instantaneous) normal mode; <5ns common mode         Certifications         Agency Approvals       CTUVus (conforms to UL1778, CSA 22.2 standards), CE         EM//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					
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 Protection         Surge Current Capacity       6500 Amps total         Surge Response Time       0-ns (instantaneous) normal mode; <5ns common mode         Certifications       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         Temperature : Operating (Storage)       0° to +40°C / +32° to +104°F (-15° to +45°C / +5° to 113°F)         Humidity: Operating & Storage       0 to +3,000 m / 0 to +10,000 ft (0 to +15,000 m / 0 to +50,000 ft)         Elevation: Operating (Storage)       0 to +3,000 m / 0 to +10,000 ft (0 to +15,000 m / 0 to +50,000 ft)         Weight: Lbs/Kgs       35.1 / 15.9       43.0 / 19.5	Estimated Runtimes - Full /Half Load	5 min. / 16 min. 5 min. / 17 min.			
Internal Battery ModuleBM0043BM0044DC Leakage Current<30uA (±10uA) with no AC applied and the unit in the off positionBattery TypeSealed, non-spillable, maintenance-free, valve-regulated lead acidSurge ProtectionSurge Energy rating1140 joulesSurge Current Capacity6500 Amps totalSurge Response TimeO-ns (instantaneous) normal mode; <5ns common modeCertificationsAgency ApprovalsENVIRPT FilteringFCC Part 15 Class B, EN5022, EN61000-6-1, EN61000-6-3, EN61000-4-5EnvironmentalTemperature : Operating (Storage)0 to +40°C / +32° to +104°F (-15° to +45°C / +5° to 113°F)Humidity: Operating & StorageO to +3,000 m / 0 to +10,000 ft (0 to +15,000 m / 0 to +50,000 ft)PhysicalWeight: Lbs/Kgs35.1 / 15.943.0 / 19.5		Battery System			
DC Leakage Current<30uA (±10uA) with no AC applied and the unit in the off position	Hot Swappable Battery		/es		
Battery Type       Sealed, non-spillable, maintenance-free, valve-regulated lead acid         Surge Energy rating       Surge Protection         Surge Current Capacity       6500 Amps total         Surge Response Time       0-ns (instantaneous) normal mode; <5ns common mode         Certifications       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         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)         Weight: Lbs/Kgs       35.1 / 15.9       43.0 / 19.5	Internal Battery Module	BM0043	BM0044		
Surge ProtectionSurge Energy rating1140 joulesSurge Current Capacity6500 Amps totalSurge Response Time0-ns (instantaneous) normal mode; <5ns common modeCertificationsAgency ApprovalscTUVus (conforms to UL1778, CSA 22.2 standards), CEEMI/RFI FilteringFCC Part 15 Class B, EN5022, EN61000-6-1, EN61000-6-3, EN61000-4-5EnvironmentalTemperature : Operating (Storage)0° to +40°C / +32° to +104°F (-15° to +45°C / +5° to 113°F)Humidity: Operating & Storage0° to +3,000 m / 0° to +10,000 ft (0° to +15,000 m / 0° to +50,000 ft)Elevation: Operating (Storage)0° to to +3,000 m / 0° to +10,000 ft (0° to +15,000 m / 0° to +50,000 ft)Weight: Lbs/Kgs35.1 / 15.943.0 / 19.5	DC Leakage Current	<30uA (±10uA) with no AC applied and the unit in the off position			
Surge Energy rating1140 joulesSurge Current Capacity6500 Amps totalSurge Response Time0-ns (instantaneous) normal mode; <5ns common mode	Battery Type				
Surge Current Capacity6500 Amps totalSurge Response Time0-ns (instantaneous) normal mode; <5ns common mode		Surge Protection			
Surge Response Time         0-ns (instantaneous) normal mode; <5ns common mode		1140 joules			
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 +3,000 m / 0 to +10,000 ft (0 to +15,000 m / 0 to +50,000 ft)           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					
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)           Weight: Lbs/Kgs         35.1 / 15.9         43.0 / 19.5	Surge Response Time				
EMI/RFI Filtering         FCC Part 15 Class B, EN5022, EN61000-6-1, EN61000-6-3, EN61000-4-5           Environmental         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					
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         43.0 / 19.5	Agency Approvals				
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         43.0 / 19.5	EMI/RFI Filtering	FCC Part 15 Class B, EN5022, EN61000-6-1, EN61000-6-3, EN61000-4-5			
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         9000000000000000000000000000000000000		Environmental			
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	Temperature : Operating (Storage)	0° to +40°C / +32° to +104°F (-15° to +45°C / +5° to 113°F)			
Physical           Weight: Lbs/Kgs         35.1 / 15.9         43.0 / 19.5	Humidity: Operating & Storage	0 to 95% non condensing			
Weight: Lbs/Kgs         35.1 / 15.9         43.0 / 19.5	Elevation: Operating (Storage)				
		Physical			
	Weight: Lbs/Kgs	35.1 / 15.9	43.0 / 19.5		



# **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

#### Distribuido regionalmente por:





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