MINUTEMAN®
POWER TECHNOLOGIES

Your Partner in Power Protection

Product Catalog

About Minuteman

Who we are

For almost 35 years, Minuteman Power Technologies has partnered with businesses of all sizes to provide high quality, reliable power protection solutions. Minuteman strives to provide solutions for crucial systems that require constant power protection, as well as a full range of support products to facilitate the management of those systems.

Headquartered in Carrollton, Texas, Minuteman Power spans throughout two continents, engaging a variety of countries. Minuteman specializes in seven specified markets: Government, Education, Point-of-Sale/Hospitality, Small to Medium-sized Businesses, Value-added Resellers, Telecom, and Security. Since its creation in 1982, the Minuteman brand has been synonymous with quality solutions; our products are designed to provide exceptional value, in terms of performance, reliability, and price. **See for yourself why Minuteman is your partner in power protection.**

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MinutemanUPS.com Visit our website to learn even more about Minuteman!

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Benefits of Power Protection

Why should you protect your equipment?

Power anomalies can sometimes be unavoidable; they account for 37% of business disruptions. Some sort of power problem has affected us all, whether it has been a power outage that caused an interruption of productivity, or equipment and data files that have sustained damage.

No matter the size of your organization, the costs associated with the repair or replacement of equipment, or recovery of corrupted data files, can be substantial. In many cases power protection devices pay for themselves the first time a power problem occurs.

Single-Phase Uninterruptible Power Supplies

The full line of Minuteman uninterruptible power supply solutions provides maximum protection to shield your equipment from catastrophic damage while also providing battery backup during power outages.

- Complete protection from all power problems
- Provides backup power during outages and brownouts
- Three types: Standby, Line-Interactive, On-line

Power Management and Distribution

Power is nothing without control. Minuteman's power management and distribution products put a range of capabilities in technician and administrator hands to ensure efficient operations. Remote Power Managers (RPMs) offer the ability to control power to devices from anywhere that an internet connection is available, while Power Distribution Units (PDUs) allow safe and organized means of delivering power to each device that requires it.

- RPMs allow users to control power from anywhere; eliminates the need to perform service calls to reboot locked devices and reduces costs and downtime
- Organize and safely distribute power in racks and closets with PDUs

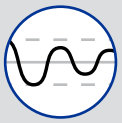
Surge Suppressors

If you are seeking basic power protection to prevent spikes and surges from causing catastrophic damage to circuit boards, power supplies, and other internal components, Minuteman has a diverse line of surge suppressors to meet your needs.

- Cost-effective protection for peripherals, printers, and other equipment which will not be required during a power event
- Safely and efficiently deliver power to multiple devices

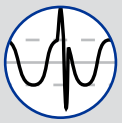
The Problems With Power

What can go wrong with utility power?



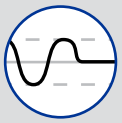
Brownout / Voltage Sag

Decrease in voltage can cause data loss due to unintended restarts, hardware damage, and shortened equipment life span



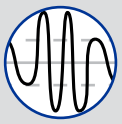
Spike / Transient

Sharp increase in voltage as high as 600V can cause catastrophic damage to hardware



Blackout

Total loss of power can cause data loss and file corruption, total loss of systems for sustained periods

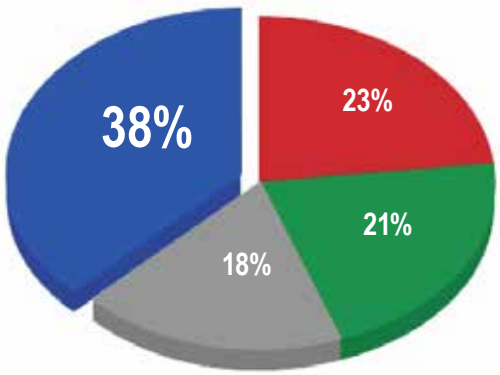


Power Surge

Sudden increase in voltage can damage electronics, corrupt vital data, and shorten equipment life span

Leading Causes of Business Interruption

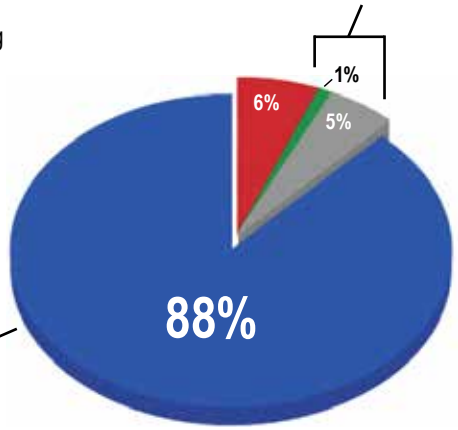
Our products address the largest causes of business interruption.



Cause of Business Interruptions

- Power Problems
- Storm Damage
- Other
- Flooding

Surge supressors provide protection for only 7% of power problems



Power Problems

- Sags/Brownouts
- Spikes
- Surges
- Blackouts

A UPS protects against 100% of all power problems

Applications and Industries

Products designed to protect critical equipment throughout your business

Minuteman's line of battery backup UPS products offer complete protection from all power problems, with products ranging from 350VA to 20kVA. Minuteman's line of MMS Surge protectors provide unique features, reliable protection, and exceptional warranty protection. Minuteman's line of remote power management (IP-addressable PDU) products provide admins with the ability to securely manage power from a PC, smartphone, or tablet from anywhere with an internet connection.

Communications

Communication is the key to maintaining relationships with your customers. Without adequate power protection, an outage or any other destructive power event can not only cause damage to sensitive telecom equipment, but also open a window of opportunity for your competitors. Minuteman offers solutions for small, medium and large-scale VoIP and unified communications systems.

- **Telephone Systems**
  Large or small, all telephone systems require power to stay connected
- **VoIP Hardware**
- **Network Devices**
  Unified communications means all devices on the network depend on connectivity

Security

A properly implemented power protection system eliminates the possibility of a security system outage or damage due to power problems. Minuteman's product line has become a favorite of both users and installers of security systems, thanks to an unbeatable combination of tailored solutions, helpful features, and incredible value. Keeping everyone secure, even when power is out, should be a high priority. Without power, there is no security.

- **Access Control / Intrusion**
  Facility security begins at access points
- **DVR / NVR / Camera**
  Recording devices must remain on during emergencies to protect life and property
- **Fire and Emergency Communications**
  Lengthy backup is required for these vital systems

IT / Network

Today's networks extend beyond the confines of one building, which presents several problems for network managers because the greater the reach of any network, the greater the vulnerability to power problems. Servers, data storage, switches, modems, routers, hubs – they all need to be protected against outages and damaging power glitches. Minuteman offers a wide range of solutions to protect small devices and large-scale systems.

- **Server / Network Storage Devices**
  Critical data is in danger without proper protection
- **Network Hardware**
  100% uptime is expected, connectivity is critical
- **Workstations**
  Data loss at the employee level can be tremendous if not properly protected

Education

Educational institutions are not exempt from power-related problems. Classrooms, labs, sports facilities, and administrative offices all are vulnerable and are guaranteed to be subjected to power problems throughout the year. Critical functions like emergency communications, surveillance systems, and access control must have ample battery back-up time. Minuteman offers special educational institution pricing. With campus safety being such an important thing, power protection must be a part of any emergency plan.

- **Primary / Secondary**
  From campus safety to IT, schools depend on power
- **Higher Education**
  Power is critical on campus - Minuteman understands

Government

Federal agencies, military bases, as well as state and local government offices are not immune from power problems. Protecting assets and personnel is vital. Minuteman provides value-based solutions to protect communications systems, information technology systems, and security systems. Minuteman also offers special government pricing programs for large opportunities.

- **State and Local**
  Services must remain available in emergencies
- **Federal**
  Extensive experience in large federal agencies

POS / Hospitality

Ensuring that customers have a positive experience is always a high priority. Protecting valuable equipment such as POS terminals, servers, security systems, and anti-theft systems is essential. Minuteman has POS and hospitality power products that range from small store or hotel solutions, to large-scale, multi-store solutions.

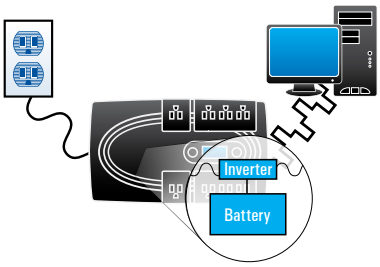
- **POS Cash Registers / Terminals**
  Sales require power to be processed
- **Hotels and Casinos**
  Communications and guest security are paramount

UPS Types

Which system is right for your equipment? Learn the differences and get the right hardware for your needs.

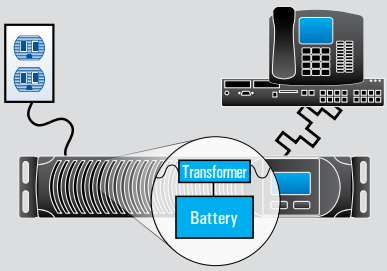
Standby (Good)

- **Cost-Effective Small-load Protection**
  Protects equipment by reverting to battery during power problems; most basic UPS architecture
- **Workstation and Peripheral Protection**
  Ideal for individual devices, including PCs, network peripherals, security devices, and more
- **Compact Form Factor**
  Small size perfect for cramped installations
- **Power Applications**
  Most commonly powers personal computers, VoIP, and CCTV without any objectionable dip or brownout to the device



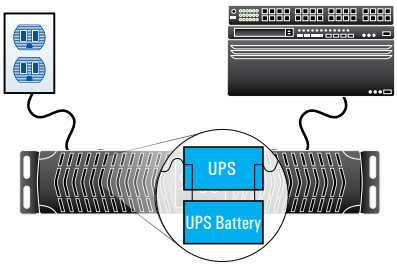
Line-Interactive / AVR (Better)

- **Automatic Voltage Regulation (AVR)**
  Provides boost and / or buck voltage regulation without using the batteries, allowing full battery capacity to be available for outages
- **Longer Battery Life and Runtimes**
  AVR hardware manages battery life more effectively than standby units
- **Available True Sine Wave Output**
  Economical protection for sensitive equipment on select models
- **Power Applications**
  Most commonly used for small businesses, web , and departmental servers



On-line / Double-Conversion (Best)

- **Ultimate Critical System Protection**
  Internal inverter converts power from AC-DC-AC, providing the highest level of power conditioning
- **Zero Transfer Time to Battery**
  No delay when power goes out; suitable for industrial and laboratory equipment
- **120V and 208V Applications**
  Multiple lines available for large load systems
- **Power Applications**
  Available models for loads with a power range of 1kVA - 20kVA.



UPS Sizing and Selection *What factors determine the proper UPS?*

Considerations to help determine your UPS needs

1. What type of equipment is being backed up?
2. What are the power requirements?
3. Where is the unit being installed?
4. How much backup time is required?
5. What are the input and output wiring configurations?
6. Monitoring & Management of UPS

SizeMyUPS.com - UPS sizing made easy

Minuteman's SizeMyUPS.com was the industry's first user-friendly UPS selection guide. An extensive database of equipment, easy-to-navigate controls, and convenient specifications sheets make it the go-to resource for both experts and newcomers to the power field.

1. **Equipment Databases**
   Build your system using our extensive database of equipment load ratings
2. **Configuration Options**
   Narrow your choices to your exact needs with the straightforward configuration interface
3. **Comprehensive Solutions**
   Browse a complete list of solutions that meet your needs with estimated runtime and MSRP
4. **Email, Fax, and Print Spec Sheets**
   Send your solutions to interested parties with a single click

Power Terminology

Understanding these key terms is a critical step in determining the proper power protection devices for any type of system.

Alternating Current (AC)
The form in which power is delivered from utility sources; electrical charge periodically reverses direction, and is delivered in a true sine wave form

Amperes (Amps)
Measure of the amount of electric charge or current

Direct Current (DC)
The form of power typically provided by batteries and transformer blocks for small equipment; electrical charge is unidirectional

Frequency (Hz)
Measure of the power cycles in AC voltage in Hertz (typically 50 or 60)

Joule
A unit of work or energy equal to the work done by a force of one newton acting through a distance of one meter.

Measured Load
Electrical load as determined by physically placing a true RMS power meter on the input cord of a device to determine its actual power draw

Rated Load
Electrical load as stated in the specifications documentation of a device (typically a maximum value that the device will use during operation)

Volt / Voltage (V)
Measure of electrical potential between two points

Volt Amps (VA)
Measurement of apparent power and the measurement used to determine UPS capacity

Watt (W)
Unit of power representing actual power consumption over a given amount of time

Product Features

On each product page in this catalog, you will find feature listings. Refer to this page for in-depth explations of all features.

208 / 220 / 230 / 240V Models
Units are available in both standard 120V and industry standard high voltage configurations for larger loads (look for model designations)

Automatic Notification
Software included or downloaded can provide notification of power events via a range of options including Email, SMS text message, or SNMP trap

Automatic Voltage Regulation (Line-Interactive UPS)
A buck/boost transformer is utilized to regulate voltage, saving battery capacity for use during full power outages and providing longer runtime and battery life

Double-Conversion (On-line UPS)
Incoming utility power is converted from AC to DC then back to AC, eliminating all possible power problems; ideal for critical applications

Emergency Power Off Port (EPO)
Dedicated port that allows users to instantly shut down the UPS in the event of an emergency such as fire, flood, or other dangerous situation

Environmental Monitoring
Environmental probe is available; allows monitoring of temperature, humidity, and provides configurable alarms via network communications interface

Extended Runtime Capability
Unit features a connection for XL and EXL external battery packs which provide greatly increased backup runtimes

Independent Battery Bypass
Unit will pass power through to attached equipment regardless of battery status; equipment will remain on while suitable utility power is present if batteries fail

Independent Battery Chargers
XL battery packs feature a dedicated on-board charger, considerably reducing recharge time after an outage versus units without this feature

LCD Status Display
Front-mounted LCD screen displays unit and power status, estimated runtime remaining, and other critical power metrics

LED Status Display
Front-mounted panel features LED lights to communicate unit, power, and battery status

Load-Shedding Capability
Addressable receptacle banks allow prioritizing of the attached load, extending uptime for the most critical devices

Mobile Accessible
Smart interface accessible from any standard web browser, including mobile devices

Parallel Installation Capable
Multiple units can be installed and linked in parallel for either added system capacity or (N+1) redundancy

RoHS / RoHS 2 Compliant
Product manufactured in accordance with the European Union directive for the Reduction of Hazardous Substances in order to protect the environment

SentryHD / SentryPlus™ Software
Monitoring and management software available for most Minuteman UPS systems (excludes CPE products)

Simulated Sine Wave Output
On-battery output waveform is a 'stepped' approximation of the sine wave generated by utility power

Option Slot
Unit features a slot for optional Simple Network Management Protocol communications cards that allow monitoring and management via the network. The option slot can also be used with Minuteman's Programable Relay Card

Standby UPS
Most basic and inexpensive type of UPS hardware; utilizes battery power to resolve power issues

True Sine Wave Output
Output waveform closely mimics pure utility power; ideal for sensitive information technology, industrial, and laboratory equipment

Wall-Mountable
Unit features standard or optional hardware for mounting upright against a wall or other flat surface

Warranty Terms
Standard UPS warranties cover electronics for 3 or 5 years, batteries for 2, 3 or 5 years; Limited Lifetime on Surge Protectors, PDUs, and other accessories (Warranty terms depend on model)

X3 MOV Technology
Advanced surge protection hardware dissipates heat more effectively, preventing potential fire during severe power surges and spikes

Generator-friendly UPS
Provides stable sine wave output (free of harmonics and distortion) without switching to battery mode when running on generator input power

Minuteman Standard & Extended Warranty Plans

Uninterruptible Power Supplies (UPS)
Minuteman provides three years of coverage on most UPS products (see individual product pages for details).

Minuteman's 2- and 3-year UPS warranties include non-prorated battery coverage; if a battery failure occurs during the warranty period, the customer will not be charged a prorated cost for replacements.

Surge Protection / Power Management
Limited lifetime warranties are provided on most MMS Series surge protectors and OEPD power distribution units.

All RPM Series products include a 3-year parts and labor warranty.

Extended Warranty Options
Two levels of 5-year warranties are also available for most UPS products, including the Premier Zero-ownership cost option which includes automatic battery replacement.

Standard Extended or Premier? *Two Plans to Fit Your Needs*

Standard Extended Warranty Plan Highlights
- Provides a full 5-year product warranty coverage
- Includes replacement of defective batteries for the entire warranty term at no additional charge (not pro-rated)
- Provides total warranty coverage on UPS for most business lease terms and/or depreciation terms
- If returned, Minuteman will properly recycle the old batteries

Premier Zero-Ownership Cost Extended Warranty Plan Highlights
- Includes all the benefits listed in the Standard Extended Warranty, plus…
- Minuteman will cover all freight charges to repair/replace defective products and include packaging and return shipping of old batteries so that they can be properly recycled
- Even if batteries are operating nominally throughout the warranty period, Minuteman will contact the customer after four-years to offer guaranteed battery replacement
- Ensures that there are absolutely no additional costs to the end-user for maintaining the UPS for five years
- All warranty claims will be given priority status upon arrival

	Standard Warranty	Standard Extended Warranty	Premier Warranty
Warranty Term	3 Years	5 Years	5 Years
Battery Warranty (Not pro-rated)	Yes	Yes	Yes
Free Battery Recycling	Upon request	Upon request	Automatic
Warranty Policy	Repair or replace	Repair or replace	Repair or replace
Free Ground Freight	Return Only	Return Only	All Included
Special Product Offers	-	Yes	Yes
Unique Warranty ID Labels	-	Yes	Yes
Batteries Warranted for 5 Years	-	Yes	Yes
Battery Replacement Notification	-	-	Yes
Priority Repair Response	-	-	Yes

Learn more about both plans at:
minutemanups.com/extendedwarranty

Minuteman Extended Warranty Eligibility Chart

Standard Plan & Premier Plan (P)	Models
MMEW5YR-01(P)	EP550LCD, EP700LCD, ETR550LCD, ETR700LCD
MMEW5YR-02(P)	EP1000LCD, EP1500LCD, PRO750RT2U, PRO750RT2UNC, PRO1OOORT2U, PRO1000RT2UNC, ETR1000LCD, ETR1500LCD
MMEW5YR-03(P)	EC1000LCD, EC1500LCD, EC1000RT2U, EC1500RT2U, CPE1000, PRO1500RT2U, PRO1500RTNC, PRO2000RT2U, PRO2000RT2UNC, ED1000RMT2U, ED1500RMT2U (*standard only*), E750RT2U, E750RTXL2U, E750RTXL2UNC, E1000RT2U, E1000RTXL2U, E1500RTXL2U, E1500RTXL2U, E1500RTXL2UNC, E1500RT2U, E1500RTXLT2UNC
MMEW5YR-04(P)	EC2000LCD, EC3000LCD, EC2000RT2U, EC3000RT2U, CPE2000, CPE3000, CPEBP1000, ED2000RMT2U, ED3000RMT2U, BP24RTXL, BP48RTXL, BP36RTXL, BP72RTXL, E2000RT2U, E2000RTXL2U, E2000RTXL2UNC, E3000RT2U, E3000RTXL2U, E3000RTXL2UNC, E3000RTXLT2U, E3000RTXLT2UNC
MMEW5YR-05(P)	CPEBP2000, CPEBP3000, BP36RTEXL, BP24RTEXL, BP48RTEXL, ED5000RTXL, ED5200RTXL, ED5000RTXLMB, ED5200RTXLMB, ED6000RTXL, ED6200RTXL, ED6000RTXLMB, ED6200RTXLMB, BP192RTXL, BP240RTXL
MMEW5YR-06(P)	ED6000T, ED6200T, ED10000T, ED10200T, ED8000RTXL, ED8200RTXL, ED8000RTXL5TF, ED8000RTXLMB, ED8200RTXLMB, ED8000RTXL5TFMB, ED10000RTXL, ED10200RTXL, ED10000RTXLMB, ED10200RTXLMB, ED10000RTXL5TF, ED10000RTXL5TFMB, EDBP10000T
MMEW5YR-07(P)	ED10000RTXLP, ED12000RTXLP
MMEW5YR-08(P)	ED16000RTXLP, ED20000RTXLP

Endeavor 5-10kVA Series

5-10kVA True On-line Double Conversion Rack / Tower

The Minuteman Endeavor 5-10kVA Series UPS combines transient-free true sine wave output, extended runtime, and redundant or parallel configuration options for critical applications. A front panel LCD display provides visual notification of the UPS status, including AC input status, battery status, and UPS fault indication.

The Endeavor 5-10kVA series is the largest and most comprehensive single-phase product line in the Minuteman family. In addition to a multitude of voltage and outlet configurations, the line can also be paralleled for additional capacity or redundancy, making it ideal for a wide range of applications.

Key Product Line Features

- ***Double Conversion*** — Ensures purest power quality
- ***True Sine Wave Output*** — Suitable for sensitive equipment
- ***Emergency Power Off Port (EPO)*** — Added safety - built right in
- ***3-yr Non-Prorated Warranty*** — Unmatched peace of mind
- ***Generator-friendly UPS*** — Provides stable sine wave output
- ***Extended Runtime Capable*** — Protect against extended outages
- ***SNMP Option Slot*** — Card slot for network communications
- ***120 / 208 / 240V Applications*** — Unmatched installation versatility

Applications

- ***Communications*** — Large telephone systems
- ***Security*** — Facility-wide system backup
- ***Small Data Center*** — Servers, switches, network storage

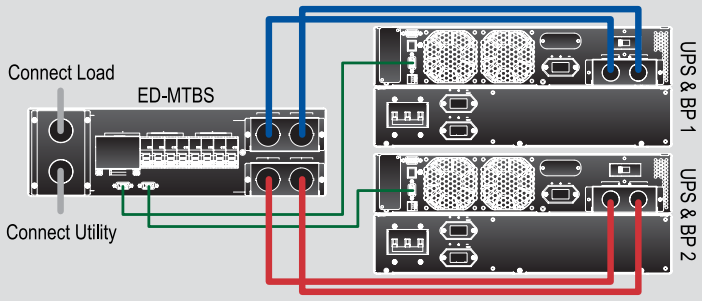
Capacity: Sm Med Lrg

Parallel / N+1 Redundancy *Expand for added capacity or reliability*

In addition to stand-alone configurations, two Endeavor 5-10kVA rackmount UPS systems can be installed in parallel, automatically providing one of two added benefits depending on attached electrical load:

1 **Less than 50% Load:**
Parallel for N+1 Redundancy

2 **More than 50% Load:**
Parallel for Capacity (up to 20kVA)



Endeavor 5/6kVA Control Unit (2U rack height)

Endeavor 8/10kVA Control Unit (3U rack height)

Endeavor 5/6kVA External Battery Pack (BP192RTXL)

Endeavor 5/6kVA Step Down Transformer

Endeavor 8/10kVA External Battery Pack (BP240RTXL)

Endeavor 8/10kVA Step Down Transformer

Endeavor 5-10kVA Maintenance Bypass Switch

RoHS 2 COMPLIANT

Endeavor 5-10kVA UPS

Standard features include:

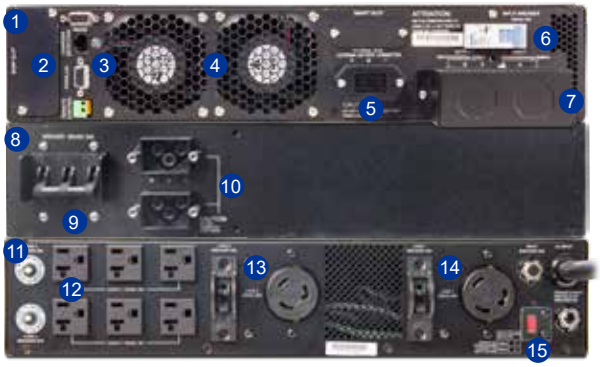
- **True Double-Conversion On-line Technology**
  Maximum protection for critical equipment
- **Digital Signal Processor Design**
  Higher reliability; reduced number of components in the UPS
- **Higher Power Factor (0.9pf)**
  Increases the real power capacity of each individual model
- **120VAC / 208VAC w/ Standard Receptacles**
  Provides flexibility for support of multiple voltages used on connected loads
- **240V Input / Output Optional**
  Units can be factory-configured for 240V electrical service*
- **Parallel 2 Units - Up to 20kVA Capacity**
  Unit automatically selects parallel for added capacity, or N+1 redundancy based on attached load
- **User-Friendly LCD Display**
  Minuteman's familiar LCD interface provides real-time status and control of the unit
- **5 and 6kVA Include 10' L6-30P Power Cord**
- **Automatic Internal Bypass**
  The UPS will sound an alarm and go to bypass mode when an internal fault (either hardware or battery) is detected
- **Independent Battery Bypass**
  The unit will provide a constant output when utility power is present, even with dead or defective batteries
- **Smart Fan Control**
  Variable speed fan control maximizes the cooling of the UPS while maintaining optimum efficiency
- **Cold Start Function**
  Start UPS even without utility power
- **Simultaneous Communication Options**
  Greater management and monitoring flexibility
- **Minuteman SentryHD**
  UPS monitoring and control software included
- **RoHS 2 compliant**
  Meets EU standards for reduction of hazardous materials
- **Industry Leading Product Protection**
  Standard 3-year electronics and battery warranty with non-prorated battery coverage; 5-year warranty available; $200,000 Platinum Protection Plan (US and Canada)

*Additional charge for 240V configuration

Specifications *Complete spec table at minutemanups.com/endeavor510*

Model No. (208V) (208 in - 120/208 out)	ED5200RTXL (ED5000RTXL)	ED6200RTXL (ED6000RTXL)	ED8200RTXL (ED8000RTXL)	ED10200RTXL (ED10000RTXL)
VA/Watts	5000 / 4500 (4556 / 4100)	6000 / 5400 (5556 / 5000)	8000 / 7200 (6889 / 6200)	10000 / 9000 (8889 / 8000)
System Voltage	192VDC		240VDC	
Runtime (half/full)	12 / 4	11 / 3	14 / 5	12 / 4
Voltage Range	156 - 280VAC		180 - 280VAC	
Input Plug Type	Hardwire / L6-30P/power cord included (Hardwire / L6-30P/power cord included)		Hardwire Only (Hardwire Only)	
Receptacles	Hardwire Only (6 - 5-15/20R, 1 - L6-20R, 1-L6-30R)		Hardwire Only (8 - 5-15/20R, 1 - L6-20R, 1 - L6-30R)	
Communications Ports	SNMP Option Slot / RS232			
Dimensions L x W x H (in / mm)	26 x 17.3 x 7 / 660 x 440 x 177.5 (26 x 17.3 x 10.5 / 660 x 440 x 265.5)		24.6 x 17.3 x 10.3 / 625 x 440 x 261.2 (24.6 x 17.3 x 15.4 / 625 x 440 x 391.7)	
Weight (lbs / kg)	115.8 / 52.5 (198.5 / 90.0)		181.0 / 82.1 (339.7 / 154.1)	
Certifications	cTUVus (Conforms to UL1778 4th Edition & CSA 22.2 no. 107.3-05), RoHS 2, CE, FCC Class B			
Available Accessories	Model number suffix (ED5000RTXLMB)			
External Maintenance Bypass Switch (MTBS)	MB	MB	MB	MB
5kVA XFR & MTBS	-	-	5TFMB	5TFMB
External Battery Packs				
	BP192RTXL		BP240RTXL	

Parallel Installations	ED1000RTXLP	ED12000RTXLP	ED16000RTXLP	ED20000RTXLP
VA/Watts	10000/9000	12000/10800	16000/14400	20000/18000
Weight (lbs / kg)	368.0 / 166.9	369.0 / 167.3	491.0 / 222.7	492.0 / 223.2



Endeavor 5/kVA UPS

1 UPS Control Unit
2 SNMP Option Slot
3 Parallel Connections
4 Cooling Fans
5 External Battery Connection
6 Input Circuit Breaker
7 Input/Output Connections
8 External Battery Pack
9 Battery Pack (DC) Circuit Breaker
10 Control Unit/BP Connections
11 Optional 120V Transformer
12 120V NEMA 5-15/20R Receptacles
13 208V L6-20R Recept. & Circ. Brkr.
14 208V L6-30R Recept. & Circ. Brkr.
15 Input Voltage Selection (208/240V)

Endeavor 6 and 10kVA Tower UPS

Parallel and Extended Runtime Capable Tower

The Endeavor Tower Series is yet another option for applications that require the best protection available. This feature-rich, single-phase, true double-conversion on-line UPS has been designed to support large loads for data centers, large telephone systems and other mission-critical applications.

Complete table at minutemanups.com/endeavor610

Model No.	ED6000T	ED6200T	ED10000T	ED10200T
VA/Watts	6000/4200		10000/7000	
Output Voltage (VAC)	120 and 208/240	208/240	120 and 208/240	208/240
Runtime (half/full)	21 / 8 min		15 / 5 min	
Input & Output Type	Hardwired Standard			
SNMP Manageable	Yes (Optional)			
Dimensions L x W x H (in / mm)	25.4 x 11.4 x 29.4 / 645 x 290 x 748		25.4 x 11.4 x 34.7 / 645 x 290 x 881	25.4 x 11.4 x 29.4 / 645 x 290 x 748
Weight (lbs / kg)	275 / 125	165 / 75	374 / 170	264 / 120
Extended Runtime	EDBP10000T External Battery Pack			

Endeavor LCD 1-3kVA Series

1-3kVA True On-line Double-Conversion Rack / Tower

Minuteman's Endeavor LCD Series is a premium-level, feature-rich product that provides complete protection for all power anomalies through on-line, double conversion UPS technology, and is backed by the industry's first standard 5-year warranty.

Delivering maximum protection for mission critical loads, the Endeavor LCD Series allows the addition of external battery packs when longer runtimes are required, and all models are generator-friendly.

Offering premium protection that meets any critical application needs, users can confidently rely on Minuteman's Endeavor LCD Series for complete protection when reliability really matters.

Key Product Line Features

- ***Double Conversion*** — Ensures purest power quality
- ***True Sine Wave Output*** — Suitable for sensitive equipment
- ***Emergency Power Off Port (EPO)*** — Added safety - built right in
- ***5-yr Non-Prorated Warranty*** — Unmatched peace of mind
- ***Generator-friendly UPS*** — Provides stable sine wave output
- ***Extended Runtime Capable*** — Protect against extended outages
- ***SNMP Option Slot*** — Card slot for network communications
- ***120 / 208 / 240V Models*** — Unmatched installation versatility

Applications

- ***Communications*** — Telephone, VoIP
- ***Security*** — Medium-large DVR/NVR, POE
- ***IT / Network*** — Servers, switches, network storage

Capacity: Sm Med Lrg

Endeavor LCD 1-3kVA UPS

Standard features include:

- **True on-line, double-conversion technology**
- **Compact case design** (only 2U for all models), for high-density rack installations
- **Flexible installation format:** Rack/Tower or Wall (with an optional install kit)
- **Easy-to-read LCD display**
- **0.9 output power factor**
- **Highly-efficient, Economy Mode option**
- **Output receptacle control with three load banks**
- **Independent Battery Bypass** Allows the UPS to provide voltage regulation and spike/surge protection either with dead batteries or without batteries
- **Hot-swappable battery replacement**
- **Cold-start capable**
- **Temperature-compensated charging**
- **Compatible with Minuteman's SentryHD® software**
- **SNMP compatible (with optional card)**
- **Dedicated EPO port**
- **External battery pack capability for virtually unlimited runtime**
- **RJ11/45 Network / Phone / Fax protection**
- **A standard 5-year warranty** (including batteries)
- **Green UPS design (RoHS2 and Energy Star compliant)**
- **$200,000 Platinum Protection Plan®** (US and Canada)

Specifications *Complete spec table at minutemanups.com/endeavorlcd*

Add "NC" to model numbers for pre-installed SNMP-NV6 card

Model No. 120V (208V)	ED1000RTXL2U (ED1000RMT2U)	ED1500RTXL2U (ED1500RMT2U)	ED2000RTXL2U (ED2000RMT2U)	ED3000RTXL2U (ED3000RMT2U)
VA/Watts	1000/900 (800)	1500/1350 (1200)	2000/1800 (1600)	3000/2700 (2100)
Battery Module No.	BM0035	BM0036	BM0037	BM0032
Runtime (min) Half/Full load	11 / 3	12 / 3	12 / 4	12 / 3.5
UPS Receptacles Type x Qty (208V)	8 - 5-15R (4 - 6-15R)		8 - 5-15/20R, 1 - L5-20R (4 - 6-15/20R, 1 - L6-20R)	7 - 5-15/20R, 1 - L5-30R (4 - 6-15/20R, 1-L6-30R)
Input Plug	5-15P (6-15P)		5-20P (L6-20P)	L5-30P (L6-30P)
Cord Length (ft)	10			
Communications Ports	RS-232, USB, SNMP Option Slot			
Dimensions L x W x H (in / mm)	13.3 x 19 x 3.5 339 x 482.6 x 89	17.0 x 19 x 3.5 432 x 482.6 x 89		24.5 x 19 x 3.5 621 x 483 x 89
Net Weight (lbs / kg)	29.3 / 13.3	45.9 / 20.8	47.6 / 21.6	70.5 / 32.0
Approvals	cTUVus (Conforms to UL1778 5th Edition & CSA 22.2 no. 107.3-14/R: 2014) FCC Class A, CE Certified, RoHS2 (EU Directive 2011/65/EU)			

1 10 ft. Power Cord
2 Input Circuit Breaker
3 Cooling Fan
4 Load Bank 1
5 Load Bank 2
6 Load Bank 3 (always on)
7 Phone/Network Surge
8 Remote EPO Port
9 RS-232 Communications
10 USB Communications
11 External Battery Connection
12 SNMP Option Slot

Encompass 1-3kVA UPS

Minuteman's Encompass Series delivers the comprehensive protection only offered by a true on-line UPS. By totally regenerating the incoming AC signal through double-conversion technology, an on-line UPS provides an impenetrable "electrical firewall," providing the most fail-safe power protection available.

Designed to protect the most critical equipment used in data centers, voice and data communications, security systems, and light industrial applications. The Encompass Series is SNMP-capable (card optional) and allows full-device management using Minuteman's SentryHD™ power monitoring and control software.

The Encompass product line is a value-priced on-line UPS solution that provides an outstanding set of features, true sinewave output, a 3-year warranty (including batteries), and is designed to meet the reliability expectations of even the most demanding critical applications. Two form factors are available in the Encompass Series: a tower-only version (EC-LCD) and a rack/tower version (EC-RT).

Encompass LCD Tower

Key Product Line Features

- ***Double Conversion*** — Ensures purest power quality
- ***True Sine Wave Output*** — Suitable for sensitive equipment
- ***Emergency Power Off Port (EPO)*** — Added safety - built right in
- ***3-yr Non-Prorated Warranty*** — Unmatched peace of mind
- ***Generator-friendly UPS*** — Provides stable sine wave output
- ***Extended Runtime Capable*** — Protect against extended outages (LCD Tower Only)
- ***SNMP Option Slot*** — Card slot for network communications

Applications

- ***Communications*** — Telephone, VoIP
- ***Security*** — Medium-large DVR/NVR, POE
- ***IT / Network*** — Servers, switches, network storage

Capacity: Sm Med Lrg

Encompass 1-3kVA UPS

Standard features include:

- **True on-line, double- conversion technology**
- **Easy-to-read LCD display**
- **0.9 output power factor**
- **Highly-efficient, economy mode option**
- **Output receptacle control**
- **Independent Battery Bypass**
- **Tool-less battery replacement**
- **Hot-swappable battery replacement**
- **Cold start capable**
- **Automatic internal bypass**
- **Simultaneous USB, RS232 and SNMP communications**
- **Compatible with Minuteman's SentryHD software**
- **SNMP compatible (with optional card)**
- **Dedicated EPO port**
- **Site wiring fault indicator**
- **Full three-year warranty (including batteries)**
- **$150,000 Platinum Protection Plan®** (US and Canada)

Specifications *Complete spec table at minutemanups.com/encompass*

Add "NC" to model numbers for pre-installed SNMP-NV6 card

Model No.	EC1000RT2U EC1000LCD	EC1500RT2U EC1500LCD	EC2000RT2U EC2000LCD	EC3000RT2U EC3000LCD
VA/Watts	1000/900	1500/1350	2000/1800	3000/2700
Battery Module No.	BM0069 BM0076	BM0070 BM0077	BM0070 BM0077	BM0071 BM0078
Runtime (min) Half/Full load	10 / 2	15 / 5	10 / 3	10 / 3
UPS Receptacles	(6) 5-15R (6) 5-15R		(6) 5-15/20R (8) 5-15/20R	(6) 5-15/20R / (1) L5-30R (8) 5-15/20R / (1) L5-30R
Input Plug	5-15P		5-20P	L5-30P
Cord Length (ft)	10-ft. Power Cord 6-ft. Power Cord			
Communications Ports	USB, RS232 (SNMP Option Slot)			
Approvals	cULus (UL1778 5th Edition & CSA 22.2 no. 107.3-14 /R: 2014) FCC Class A, CE certified, RoHS2 (EU Directive 2015/863/EU)			

Encompass Physical Specifications

Model No.	EC1000RT2U	EC1500RT2U	EC2000RT2U	EC3000RT2U
Unit Size (L x W x H) (with rack ears installed)	16" x 18.9" x 3.5" 407 x 479 x 88mm	19.2" x 18.9" x 3.5" 487 x 479 x 88mm		23.7" x 18.9" x 3.5" 602 x 479 x 88mm
Unit Weight	24.3 lbs. / 11 Kgs.	44.1 lbs. / 20 Kgs.		61.1 lbs. / 27.7 Kgs
Model No.	**EC1000LCD**	**EC1500LCD**	**EC2000LCD**	**EC3000LCD**
Unit Size (L x W x H) (with rack ears installed)	15.9" x 6.1" x 10.2" 403 x 154 x 258mm	17.4" x 6.8" x 11.4" 440 x 171 x 288mm		22.4" x 7.6" x 12.6" 567 x 192 x 320mm
Unit Weight	28.2 lbs. / 12.8 Kgs	48.1 lbs. / 21.8 Kgs.		73.0 lbs. / 33.1 Kgs
Extended Battery Packs (For LCD models only)				
BP Part Number	BP24XL	BP48XL		BP72XL

Encompass Rack/Tower

EnterprisePlus LCD Series

750VA-3kVA True Sine Wave AVR Rack / Tower

The latest in Minuteman's popular Enterprise Series, the EnterprisePlus LCD offers users more of what has made the series one of our best selling lines. Features include lower cost standard runtime models, an informative LCD Display, and additional outlets vs. previous models.

The EnterprisePlus LCD Series of UPSs offer complete protection from all electrical problems, including spikes, surges, sags, brownouts, and blackouts, in a versatile rack / tower convertible format. True sine wave output ensures the best power for sensitive electronic equipment.

Key Product Line Features

- ***True Sine Wave Output***
  Suitable for sensitive equipment
- ***Automatic Voltage Regulation***
  Longer runtimes and battery life span
- ***Emergency Power Off Port (EPO)***
  Added safety - built right in
- ***3-yr Non-Prorated Warranty***
  Unmatched peace of mind
- ***Extended Runtime Capable***
  Protect against extended outages
- ***Independent Battery Bypass***
  Protection regardless of battery status
- ***120 / 208 / 240V Models***
  Unmatched installation versatility

Applications

- ***Communications***
  Telephone systems, VoIP
- ***Security***
  Medium-large DVR/NVR, POE
- ***IT / Network***
  Servers, switches, network storage

Capacity: Sm Med Lrg

LCD Display *Real-time updates on power and status*

Stay up to-date-on all aspects of your power with EnterprisePlus LCD's control panel.

1. **Unit Status Indicator**
   AC normal, On-battery, Weak/Bad Battery, Faults
2. **Load and Battery Meters**
   Monitor battery status, electrical load on unit
3. **Numeric Display**
   Power status including voltage, frequency, estimated runtime remaining, kilowatt, and volt amp load
4. **Display Scroll Button**
   Quickly browse status screens to monitor power
5. **Alarm Silence Button**
   Silences battery mode warning alarm
6. **On/Off/Test Button**
   Power unit up or down, perform self test

EnterprisePlus LCD UPS shown in rackmount and tower configurations using included mounting hardware

RoHS 2 COMPLIANT

EnterprisePlus LCD UPS

Standard features include:

- **0.8 and Greater Power Factor**
  Get increased capacity without migrating to larger models
- **Hot-Swappable Batteries**
- **Load Shedding**
  Two independently controlled power banks allow equipment prioritizing for increased runtime (+ always on segment)
- **Independent Battery Bypass**
  Provides voltage regulation with surge and spike protection even when batteries are weak or dead
- **Virtually Unlimited Runtime with XL Models**
  No limitation on the number of external battery packs
- **Alarm Silence Button on Front Panel**
  Silence the alarm during outages without need for software
- **Flexible Installation Format**
  Rack or tower configurable; wallmount kits available
- **Small Form Factor**
  3.5-inch (2U) Rack / Tower case
- **Versatile Communications**
  Simultaneous RS-232, USB and SNMP
- **Minuteman SentryHD**
  UPS monitoring and control software included
- **Easy to Read LCD Display**
  With load/battery meter, unit status, alarm indicators
- **Dedicated Remote Emergency Power Off (EPO)**
  Safely and quickly shut down power in emergencies
- **120V and 208/240V**
  208V models available (1500 and 3000VA models)
- **RoHS 2 compliant**
  Meets EU standards for reduction of hazardous materials
- **Industry Leading Product Protection**
  Standard 3-year electronics and battery warranty with non-prorated battery coverage; $100,000 Platinum Protection Plan (US and Canada)

Accessories

Get the most from your UPS with these options

- **SNMP Communications Cards**
  Monitor and manage EnterprisePlus LCD via network; see page 19 for complete details

- **SNMP-NET**
- **SNMP-NV6**

- **Mounting Accessories**
  Additional mounting options to fit your needs

- **E BRKT WALL**
- **E BRKT RAIL**
- **E BRKT 23**

- **5-Year Warranty Plans**
  See page 5 for complete details

- **Standard Plan**
- **Premiere Plan**

Specifications *Complete spec table at minutemanups.com/enterprisepluslcd*

Add "NC" to model numbers for pre-installed SNMP-NV6 card

Standard Runtime Extended Runtime	E750RT2U E750RTXL2U	E1000RT2U E1000RTXL2U	E1500RT2U E1500RTXL2U*	E2000RT2U E2000RTXL2U	E3000RT2U E3000RTXL2U*
VA/Watts	750/600	1000/800	1500/1200	2000/1760	3000/2560
Battery Module No.	BM0029	BM0029	BM0030	BM0031	BM0032
Runtime (min) Half/Full load	17 / 8	15 / 5	11 / 4	13 / 5	8 / 3
Receptacles (Qty and Power)	5-15R (8 UPS)			5-15/20R (8 UPS) L5-20R (1 UPS)	5-15/20R (7 UPS) L5-30R (1 UPS)
Input Plug	5-15P	5-15P	5-15P	5-20P	L5-30P
Cord Length (ft)	10				
Communications Ports	RS-232, USB, SNMP Option Slot				
Dimensions (in / mm) L x W x H	17.4 x 19.0 x 3.5 / 442.0 x 482.6 x 89.0 (2U rack height)			24.0 x 19.0 x 3.5 / 610.0 x 482.6 x 89.0 (2U rack height)	
Net Weight (lbs / kg)	41.2 / 18.7	43.7 / 19.8	44.1 / 20.0	72.1 / 32.7	78.0 / 35.4

*208/240V models also available (RTXLT2U)

E750RTXL2U

1 Remote EPO Connection
2 USB Comm. Port
3 RS-232 Comm. Port
4 Output Voltage Dipswitch
5 Network/Phone Surge Protection
6 External Battery Connection
7 SNMP Option Slot
8 Output Receptacles (Load 1)
9 Output Receptacles (Load 2)
10 Output Receptacles (Load 3)
11 Input Circuit Breaker
12 10 ft. Power Cord

Extended Runtime Options *Hours of protection for extended outages*

Increase runtimes substantially and economically with XL (top) and EXL (bottom) extended runtime battery packs for EnterprisePlus LCD. These units can be daisy-chained for virtually unlimited capacity and runtime.

UPS Model	E750RTXL2U	E1000RTXL2U	E1500RTXL2U	E2000RTXL2U	E3000RTXL2U
XL Battery Pack Model No.	**BP36RTXL**			**BP72RTXL**	
Dimensions (in / mm) L x W x H	17.0 x 19.0 x 3.5 / 432 x 482.6 x 89 (2U rack height)			17.0 x 19.0 x 3.5 / 432 x 482.6 x 89 (2U rack height)	
Weight (lbs / kg)	52.2 / 23.7			56.0 / 25.4	
Battery Module	BM0033			BM0034	
Internal Charger	Yes			Yes	
Recharge Time	8 hours			8 hours	
EXL Battery Pack Model No.	**BP36RTEXL**			**BP72RTEXL**	
Dimensions (in / mm) L x W x H	26.8 x 17.3 x 5.2 / 680 x 440 x 132 (3U rack height)				
Weight (lbs / kg)	127.9 / 58.1				
Battery Config.	12V / 9.0Ah (18)				

Learn more about Extended Runtime options at **minutemanups.com/exl**

PRO-RT Series

750VA, 1000VA, 1500VA, and 2000VA AVR Rack / Tower

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 voltage sags and surges. 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.

Key Product Line Features

- ***LCD Status Display***
  Power information in real time
- ***Automatic Voltage Regulation***
  Longer runtimes and battery life span
- ***SentryHD Download***
  Monitor and manage via USB
- ***3-yr Non-Prorated Warranty***
  Unmatched peace of mind
- ***Simulated Sine Wave***
  Economical rackmount protection
- ***SNMP Option Slot***
  Card slot for network communications
- ***Independent Battery Bypass***
  Regulation w/ dead or weak batteries

Applications

- ***Communications***
  Telephone systems, VoIP
- ***Security***
  Medium-large DVR/NVR, POE
- ***IT / Network***
  Servers, switches, network storage

Capacity: Sm Med Lrg

LCD Display *Real-time updates on power and status*

Stay up-to-date on all aspects of your power with PRO-RT's control panel.

1 **Unit Status Indicator**
AC normal, On-battery, Overload

2 **Load and Battery Meters**
Monitor battery status, electrical load on unit

3 **Numeric Display**
Power status including voltage, frequency, estimated runtime remaining, error codes, site-wiring fault, output load

4 **Display Scroll Button**
Quickly browse status screens to monitor power

5 **Alarm Silence Button**
Silences battery mode warning alarm

6 **On / Off / Test Button**
Power unit up or down, perform self test

RoHS COMPLIANT

PRO-RT UPS shown in rackmount and tower configurations using included mounting hardware

PRO-RT UPS

Standard features include:

- **Easy to Read LCD Display**
  Shows UPS operating status, input and output power status, estimated runtime remaining, and error codes
- **Flexibility in Installation**
  Rack or tower configurable; wallmount kit optional
- **Minuteman SentryHD**
  Free downloadable SentryHD auto-shutdown and monitoring software
- **USB Communications**
  HID Compliant
  No special USB drivers are required for USB communications
- **SNMP Compatible**
  Each PRO-RT unit can be managed on a network with the addition of an optional SNMP management card
- **Network / Fax / Phone/ Coax Protection**
  The PRO-RT UPS provides a low cost means of protecting network, fax, and phone lines from spikes and surges. The RJ11/RJ45 port supports network speeds up to 1Gb
- **Industry Leading Product Protection**
  Standard 3-year electronics and battery warranty with non-prorated battery coverage; $100,000 Platinum Protection Plan® (US and Canada)
- **Hot-Swappable Batteries**
  Allows battery replacement without shutting down the UPS
- **Independent Battery Bypass**
  Provides voltage regulation with surge and spike protection even when batteries are weak or dead
- **Load Shedding**
  2 indecently-controlled load banks (and 1 always-on bank), allows prioritization of connected loads to extended runtime for critical equipment

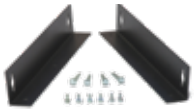
Accessories

Get the most from your UPS with these options

- **SNMP Communications Cards**
  Monitor and manage Pro-RT via network;
  see page 19 for complete details

  - **SNMP-NET**
  - **SNMP-NV6**

- **Mounting Accessories**
  Additional mounting options to fit your needs



  - **E BRKT WALL**
  - **E BRKT RAIL**
  - **E BRKT 23**

- **5-Year Warranty Plans**
  See page 5 for complete details
  - **Standard Plan**
  - **Premiere Plan**

1 Input Circuit Breaker
2 Input Power Cord
3 Coax Surge Protection
4 Emergency Power Off
5 Fan
6 USB Port
7 RJ11/RJ45/Fax/Modem Network Protection
8 Controllable Output Receptacles (6)
9 Always On Receptacles (2)
(Only one L5-20R on PRO2000RT2U)
10 Option Card Slot

Specifications *Complete spec table at minutemanups.com/prort*

Add "NC" to model numbers for pre-installed SNMP-NV6 card

Model No.	PRO750RT2U	PRO1000RT2U	PRO1500RT2U	PRO2000RT2U
VA/Watts	750/525	1000/700	1500/1050	2000/1400
Battery Module No.	BM0072	BM0073	BM0074	BM0075
Runtime at Half-Full-Rated Load	15 (5) Minutes	14 (4) Minutes		
Receptacles (Qty and Power)	(8) NEMA 5-15R	(8) NEMA 5-15R	(8) NEMA 5-15R	(6) NEMA 5-15/20R / (1) L5-20R
Input Plug	NEMA 5-15P			NEMA 5-20P
Cord Length (ft)	10			
Status Display Type	LCD			
Communications	USB, SNMP Option Slot			
Dimensions LxWxH (in / mm)	16.1 x 18.9 x 3.4 inches (409 x 480 x 86 mm)		20.1 x 18.9 x 3.4 inches (510 x 480 x 86 mm)	
Net Weight (lbs / kg)	31.3 / 14.2	35.7 / 16.2	48.7 / 22.1	62.8 / 28.5
Operating Temperature	0° to +40°C / +32° to +104°F			
Warranty	3-year including batteries			
Approvals	cTUVus (Conforms to UL1778 5th Edition & CSA 22.2 no. 107.3-14 /R: 2014) FCC Class B, CE certified, RoHS2 (EU Directive 2015/863/EU)			

Entrepid Series

500-1500VA Line-Interactive AVR Tower

The Minuteman Entrepid Series UPS is a compact tower featuring automatic voltage regulation and an informative LCD display that keeps users informed of power and unit status. Six battery/surge outlets along with two surge-only outlets ensure a connection for every device in the system, and phone/fax/network surge protection is also included. USB communications make management simple thanks to free SentryHD software, downloadable at minutemanups.com/sentryhd.

The Entrepid's compact height and width makes it an ideal solution for applications where space is tight. This can include crowded telephone and network closets, security devices, POS systems, and much more.

Key Product Line Features

- ***LCD Status Display*** — Power information in real-time
- ***Automatic Voltage Regulation*** — Longer runtimes and battery life span
- ***SentryHD Management Software*** — Monitor and manage via USB
- ***3-yr Electronics Warranty*** — 2-yr non-prorated battery

Applications

- ***Communications*** — Workstations, Small Phone Systems
- ***Security*** — Midsize DVR, Acc Ctrl, Intrusion
- ***IT/Network*** — Switches, Hubs, Access Points

Capacity: Sm Med Lrg

Features

- **Automatic Voltage Regulation (AVR)**
  Line-Interactive technology that preserves battery power by providing voltage regulation during voltage sags and/or surges
- **Compact case design and LCD panel display**
- **USB communications**
- **Hot-swappable batteries**
- **Easy battery access**
- **RJ11/45 Network/Phone/Fax protection**
- **3-year warranty (electronics) 2-year warranty (batteries)**
- **RoHS 2 compliant**
- **Transformer-friendly receptacles**
- **DC startup capability**
- **Independent Battery Bypass**
- **Built-in self-diagnostics testing**
- **Site-wiring fault indicator**
- **Audio & Visual alarms**

Compatible with Minuteman SentryHD Management Software

- Automatically saves and shuts down unfinished applications
- Gracefully powers down your PC during extended blackouts
- Provides comprehensive monitoring capabilities
- Integrates into SNMP network (when connected to a computer via USB port)
- Free download at minutemanups.com/sentryhd

RoHS 2 COMPLIANT

Specifications *Complete spec table at minutemanups.com/entrepid*

Model	EP500LCD	EP700LCD	EP1000LCD	EP1500LCD
VA/Watts	500/300	700/420	1000/600	1500/900
Battery Module	BM0059	BM0060	BM0061	BM0062
Runtime (min) Half/Full load	11 / 3	12 / 3	13 / 3	13 / 3
Receptacles (Qty and Power)	5-15R (6 UPS, 2 Surge-only)			
Input Plug	5-15P			
Cord Length (ft)	6			
Communications Ports	USB			
Dimensions (in/mm) LxWxH	12.5 x 6.7 x 7.9 / 317.5 x 170.0 x 200.5		15.3 x 6.7 x 7.9 / 387.5 x 170.0 x 200.5	
Net Weight (lbs/kg)	14.9 / 6.7	17.3 / 7.8	23.7 / 10.7	29.6 / 13.4
Approvals	cTUVus (Conforms to UL1778), CE, FCC Class B, RoHS2			

LCD Display Provides Real-Time Information

- UPS status and condition
- Battery capacity bar graph
- Estimated runtime AC and DC modes
- Load capacity bar graph
- Warning / Fault icons

Industry Leading Product Protection

- $100,000 Platinum Protection Plan (US and Canada)

1 LCD Status Display
2 On/Off/Test and Display Scroll
3 Phone/Fax/Network Protection
4 USB Communication Port
5 Two (2) Surge-only 5-15R outlets
6 Six (6) Battery Backup & Surge 5-15R Outlets
7 6-ft. Power Cord
8 Input Circuit Breaker

Entrust LCD Series UPS

550-1500VA Line-Interactive AVR Tower

The Minuteman Entrust LCD Series UPS provides users all the features usually available in higher-priced UPS products to protect your valuable equipment: automatic voltage regulation, spike and surge protection, and battery backup, all in a surprisingly compact package. Entrust LCD's compact footprint makes it an ideal solution for cramped spaces including network and security closets.

- **Efficient Automatic Voltage Regulation (AVR)**
  Line-Interactive technology that preserves battery power by providing voltage regulation during sags and/or surges
- **Compact Form Factor**
- **Tool-less Battery Access**
  Easy setup & maintenance with tool-less battery panel
- **Easy to Read LCD Display**
- **Total Control of Your Power**
  Downloadable Minuteman SentryHD management software
- **Hot-Swapppable Batteries**
- **Independent Battery Bypass**
  Provides voltage regulation with surge and spike protection even when batteries are weak or dead
- **Industry Leading Product Protection**
  Standard 3-year electronics warranty with 2-year non-prorated battery coverage

RoHS 2 COMPLIANT

Key Features & Specifications *minutemanups.com/entrustlcd*

LCD Status Display | *SentryHD Management Software* | *3-yr Warranty*

Model No.	ETR550LCD	ETR700LCD	ETR1000LCD	ETR1500LCD
VA/Watts	550/330	700/420	1000/600	1500/900
Battery Module	BM0063	BM0064	BM0065	BM0066
Runtime (min) Half/Full load	12 / 3	12 / 3	12 / 3	12 / 3
Receptacles (Qty and Power)	5-15R (4 UPS, 4 Surge-only)		5-15R (5 UPS, 5 Surge-only)	
Input Plug	5-15P			
Cord Length (ft)	6			
Communications Port	USB			
Dimensions (in/mm) LxWxH	11.3 x 3.4 x 11 / 287 x 86 x 279		16.1 x 3.4 x 11 / 408 x 86 x 279	
Net Weight (lbs/kg)	13.9 / 6.3	15.7 / 7.1	22.0 / 10.0	26.0 / 11.8

Enspire Series UPS

350-900VA Standby Low-Profile UPS

The Minuteman Enspire Series UPS is a low-cost, high performance UPS ideally suited for desktop PCs, small network devices, security system components, and much more. Enspire provides complete power protection in a compact, wall-mountable package suitable for installation in even the tighest spaces and budgets.

- **Versatile Connection Options**
  8 (350 and 550) or 10 (750 and 900) outlets
- **Compact, Wall-Mountable Case**
- **USB Communications (HID Compliant)**
- **Single Line RJ11/45 phone/fax/network Protection**

Features on 750 and 900VA LCD Models:

- **Easy to Read LCD Display**
  Real-time updates on system and power status, estimated runtime remaining based on attached load
- **Green Mode**
  Lower power consumption mode during off-time
- **Coax Protection**
- **Tool-less Battery Access**
- **Independent Battery Bypass**
- **Industry Leading Product Protection**
  Standard 3-year electronics warranty with 2-year non-prorated battery coverage

RoHS 2 COMPLIANT

Key Features & Specifications *minutemanups.com/enspire*

LCD Status Display (EN750, EN9200) | *SentryHD Software* | *2-yr Battery Warranty*

Model No.	EN350	EN550	EN750LCD	EN900LCD
VA/Watts	350/200	550/300	750/450	900/500
Battery Module No.	BM0067		BM0068	
Runtime (Half/Full) min.	12 / 3	11 / 3	11 / 3	11 / 3
Receptacles (Qty and Power)	5-15R (4 UPS , 4 Surge-only)		5-15R (5 UPS , 5 Surge-only)	
Input Plug	5-15P			
Cord Length (ft)	4		6	
LCD Display	No	No	Yes	Yes
Communications Ports	USB (except EN350)			
Dimensions (in/mm) LxWxH	12.4 x 5.1 x 3.7 / 316 x 130 x 94		12.6x7.2 x 3.6 / 320 x 183x 92	
Net Weight (lbs/kg)	6.2 / 2.8	6.4 / 2.9	7.7 / 3.5	8.4 / 3.8

SentryHD Power Manager

Monitoring and Management Software

SentryHD is the latest update to Minuteman's popular Sentry monitoring and management software. This powerful tool provides users and network managers a range of monitoring and management tools for their power, allowing total control before, during, and after power problems.

With a simple connection to the UPS via USB or RS-232, SentryHD provides the capability to configure UPSs, monitor power, and diagnose issues, all from secure connections on the network. SentryHD allows administrators to eliminate wasteful service calls around the facility, saving signficant time and money.

Key Product Line Features

Auto Notification
User-configurable alarms

Power Status Logging
Easily analyze power

System Compatibility

EnterprisePlus LCD, Endeavor 5-10kVA, Endeavor LCD, Encompass, ETR-LCD, Enspire, Entrepid

Features

- **Versatile Communications**
  SNMP/Ethernet compatibility
- **Wide-Reaching Management Capability**
  Concurrent monitoring through single or multiple computers via RS-232 and USB
- **NMS Integration**
  Supports SNMP v1, v2c, and v3 traps for integration into Network Management Systems
- **Secure Connection**
  HTTPs and SSL support
- **TCP / IP Network**
  Remote monitoring, control, multi-computer shutdown/restart and configuration through TCP/IP network
- **Multiple Device Management**
  Monitor and control multiple UPS devices from a single application session

Ultimate Control and Knowledge of Your Devices:

- Real-time graphical displays of user-defined UPS and utility conditions
- Record and save graphical event and history logs for future analysis
- Device control - restart, test UPS and control receptacles
- Powerful reporting - full diagnostic and event reporting, printable history, event logs and security measures
- Real-time monitoring displays UPS data (voltage, frequency, load percentage, etc.)

SentryHD Compatibility:

- Compatible with most new generation Minuteman UPS products; older products use previous versions, see product user manual for details on compatibility
- Windows - 10, 8, 7 (32-bit/64-bit), Vista (32-bit/64-bit), Server 2008 R1 (32-bit/64-bit), Server 2008 R2 (64-bit) and Windows XP/2000/2003
- Unix and Linux

Maximize Efficiency *Learn more at minutemanups.com/sentryhd*

Utilizing SentryHD saves time and money. Configurable automatic actions to reduce downtime, increase efficiency:

- **Save Power Automatically**
  Perform scheduled shutdowns and restarts
- **Auto-Save**
  Saves files before graceful operating system shutdown
- **Automatic Notifications**
  Email, SMS, and SNMP network broadcast of user-defined UPS events

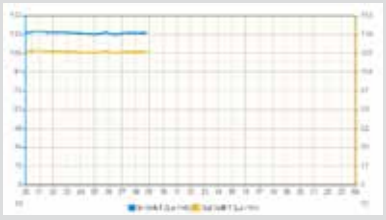
- **SNMP Integration**
  Connects to NMS

Simplified Configuration Operations

- **Batch Configuration**
  Configure multiple devices at once with easy-to-use batch configurations

Powerful Logging Tools

- **Record and Save**
  Monitor and analyze power status with powerful graphs and reports



SentryPlus Software *Legacy version - wider UPS compatibility*

- **Wider Compatibility**
  Compatible with most current Minuteman UPS products including Enspire, PRO-RT, and Endeavor LCD 1-3kVA, Endeavor 6/10 kVa towers
- **Monitor, Manage, and Safely Shutdown for Minuteman UPSs**
- **NMS Integration**
  Supports SNMP v1 traps for integration into Network Management Systems
- **32 & 64-bit Compatibility**
  Windows 7, Vista, Server 2008 R1 & R2, XP/2000/20003; Unix, Linux

SNMP Monitoring Accessories

Monitor and Manage Power via Network

Minuteman SNMP cards are an interface between the UPS and the network. Cards can communicate the status of and issue commands to the UPS. All Minuteman SNMP cards support SNMP and HTTP protocols for user access. Through the SNMP NMS and/or web browser, users can monitor the UPS status, issue commands, and set up the SNMP card via a network connection.

A full line of monitoring accessories are also available. With these additional modules, admins can monitor temperature and humidity, detect smoke, fire, or water, sense vibration, and monitor the status of server rack or cabinet doors. Each of these modules can send an alert via SNMP trap or email, ensuring problems can be rapidly resolved without the need for a 24-hour presence at a facility.

Key Product Line Features

Auto Notification
User-configurable alarms

Environmental Monitoring
Multiple monitoring accessories

Applications

IT / Network
Monitor devices from single location

Communications
Telephone/VoIP systems

Compatible UPS Systems

- PRO-RT
- EnterprisePlus LCD
- Endeavor LCD 1-3kVA
- Endeavor 5-10VA Rack / Tower, 6 and 10kVA Tower
- Encompass

Features

- **Connect the UPS Directly to a Network**
  Utilizes a standard RJ45 Ethernet connection; requires no special application software
- **Network UPS Management**
  Monitor and manage the UPS over any web browser
- **Integrate UPS into Network Management System (NMS)**
  Using the included MIB (Management Information Base) agent or the included SNMP management software
- **Schedule Events**
  Shutdown or restart connected equipment daily, weekly, or monthly using the integrated scheduler
- **Track Utility Problems via Event Logs**
  To provide history of power events on the UPS including: power quality, equipment draw, and blackouts
- **Multiple Server Shutdown**
  Using the included SNMP management software allows the UPS to shutdown multiple devices sequentially when a power event occurs
- **Event Notification**
  Notify multiple IT personnel via SNMP traps or email when a power event occurs
- **Telnet Support**
  For flexible configuration of the SNMP card

Specifications *Complete spec table at minutemanups.com/snmp*

Model No.	SNMP-NV6
Network Connection	RJ-45 Jack Connection
Operating Temperature	0 ~ 40° C
Operating Humidity	10 ~ 80 %
Power Input	9 ~ 24V DC
Power Conusmption	2 Watt Maximum
Dimensions (in/mm) LxW	5.12 x 2.36 / 130 x 60
IPv6 Compatible	✓
SYSLOG Support	✓
Batch Configurable	✓
SNMP Compatibility	v1, v2C, v3
Configurable Event Alarms	✓

Accessories *Add monitoring devices for total awareness*

Add an ENV-PROBE to your SNMP card for a complete monitoring solution for networks.

- **Temperature and Humidity Monitoring**
  Measure the environmental conditions of the area the UPS is in and receive warnings of any abnormalities. Optional contact closures for smoke, fire, water, and intrusion are available.

Model No.	ENV-PROBE
Size (in / mm)	2.6 x 2.0 x 1.4 / 66 x 50.8 x 35.5
Temperature Measurement	0 ~ 65° C 32 ~ 149° F
Humidity Measurement	20 ~ 90 %
Power Input	12V DC
Power Consumption	400 mw

Remote Power Management (RPM)

2, 8, 16, and 24-port Remote Management Solutions

Minuteman's RPM series of products are IP-addressable RPMs that allow administrators and technicians to remotely control the power to connected servers, network equipment, and security devices, eliminating the need for wasteful service calls to reboot unresponsive locked-up devices.

Each RPM also has the capability to perform scheduled shutdowns and startups, offering additional cost savings via reduced energy consumption. When a device experiences a lock-up, the RPMs can automatically notify administrators and users via email, SMS, or SNMP traps, while also allowing user-configurable actions.

RPM1521E 2-port Remote Power Manager

Key Product Line Features

- ***Auto Notification***
  Configurable SMS, email, traps
- ***Mobile Accessible***
  Secure login via web server

Applications

- ***Network Devices***
  Switches, routers, hubs
- ***Communications***
  Telephone systems
- ***Security***
  DVR, camera

Maximum Efficiency

Minuteman RPM units maximize admin and technician efficiency by providing a secure connection, accessible from any standard web browser. Securely monitor and manage power from any PC, smartphone, or tablet with no special apps, or software installs.

- **Automatic Notification**
  Receive notification of power events, unresponsive equipment, and more via SMS text (2-port only), email, or SNMP trap
- **Control Individual or Groups of Outlets**
  Configurable outlet control lets the user meet their needs
- **Scheduled Shutdown and Startup**
  Save energy and prevent lockups by scheduling regular shutdown and startup of equipment

Easy-to-Use Interface

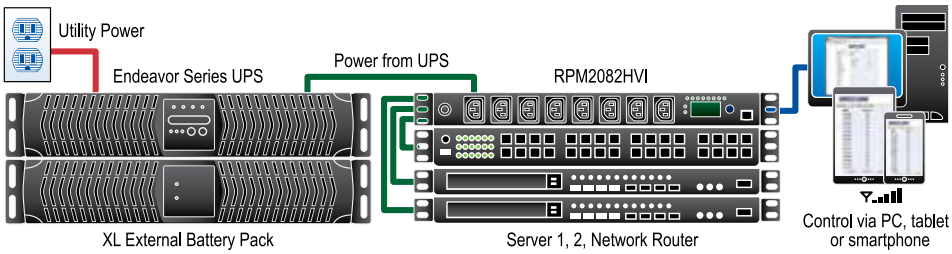
RPM1521E (above) and RPM 8 and 16-port interface main screens

- **3-Year Warranty**
- **Ultimate Power Control**
  Power up or down ports individually or together; delayed start and shutdown
- **Secure Management**
  Features SSL browser support, user name / password protection, IP address filtering
- **Schedule Around Your Needs**
  Regular startups, shutdowns, or reboots yearly, monthly, weekly, or daily to prevent lockups
- **Auto Ping Function**
  Receive notifications of equipment lockups the moment they happen with user-configurable ping actions
- **Multiple Account Capability**
  Secure access for multiple users, with controls for user access to individual ports
- **Choose Your Alert**
  Email, SMS, or SNMP trap
- **Powerful Logging**
  Browse event logs to see all activity on device

8, 16 and 24-Port Models also Feature:

- **Enterprise Management Utility**
  Manage multiple RPM units from a single consolidated interface

Example RPM System Integration



Utilize a Minuteman RPM unit in conjunction with a UPS to ensure fail-safe, controllable power. In this example, conditioned and backed up power from the UPS is provided to multiple servers and a router from the RPM2082HVI.

Control of power to these devices is accessed from the web browser of PCs, smartphones, or tablets located both within the network and abroad thanks to the RPM's secure webserver functionality.

2-Port Remote Power Manager (RPM1521E)

Standard features include:

- **IP-Addressable PDU**
  Built-in web server and 2 power outlets
- **Manual Power ON / OFF Switch**
- **Independent Outlet Control**
  Switch on / off, power cycle, schedule startup/shutdown
- **Supports Power Start Sequencing**
  Startup equipment in specific order based on need
- **Auto Ping Feature**
  Monitor and auto-detect any failed network equipment and perform a timed reboot
- **IP Filter / Mask Function**
  Manage user privileges and prevent unauthorized access to the control menu
- **Optional Temperature Probe**
- **Power Status and Control Mode LED Indicators**
- **Instant Notification of Alarms**
  Receive email, SMS text messages or SNMP trap notification of events
- **Surge-Protected Outlets**
  Eliminate potentially damaging voltage spikes
- **Circuit Breaker**
  Overload and connected equipment protection
- **Rack-Mountable Design**
  Holes on each side of the enclosure for optional rack-mounting kit (BRKT RM RPM1521)
- **Warranty**
  3-years parts and labor
- **$30,000 Minuteman Platinum Protection Plan (US and Canada only)**

RPM1521E

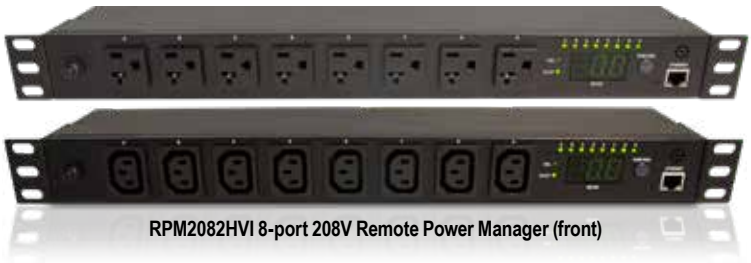
8, 16 and 24-Port Remote Power Manager

Standard features include:

- **Access from Anywhere**
  Allows rebooting from any internet-enabled device via a secure connection
- **Conserve Energy and Prevent Lockups**
  Allows scheduling of tasks
- **Secure Management**
  Password-protected security levels
- **No Special Apps or Installs**
  Configure and control RPM units worldwide through most standard web browsers using a single network IP address
- **Versatile Installations**
  10-ft power cord and rack-mount hardware for a wide range of installations
- **Power for All of Your Devices**
  15, 20 and 30-amp capacities, 120 and 208VAC
- **True RMS Load Meter and LCD Display**
- **1U / 0U Convertible or 0U Vertical-Only**
- **Optional Temperature & Humidity Probe**
  Available for all EV6 models
- **SNMP and DNS Support**
- **Warranty**
  3-years parts and labor

RPM20161VN and RPM20162VI 16-Port Remote Power Manager

RPM1581HVN 8-port Remote Power Manager (front)



RPM2082HVI 8-port 208V Remote Power Manager (front)

Specifications *Complete spec table at minutemanups.com/rpm*

Model No.	RPM1521E	RPM1581EV6	RPM30241EV6	RPM30242EV6	RPM1581HVN	RPM20161VN	RPM2082HVI	RPM20162VI
Input and Output Voltage	120	120	120	208	120		208	
Number of Outlets	2	8	24	24	8	16	8	16
Install Format	Free/1U optional	1U / 0U	0U	0U	1U / 0U	0U	1U/0U	0U
Dimensions L x W x H (in / mm)	7.2 x 4.9 x 1.7 182 x 125 x 44	17.0 x 8.5 x 1.8 432 / 216 / 44.5	70 x 2.2 x 3.2 1778 x 56 x 80	70 x 2.2 x 3.2 1778 x 56 x 80	17. x 3.5 x 1.7 432 x 90 x 44	49.0 x 2.2 x 1.7 1245 x 56 x 44	17.x 3.5 x 1.7 432 x 90 x 44	49.0 x 2.2 x 1.7 1245 x 56 x 44
Input Power Cord	IEC320 C13 to 5-15P	5-15P	L5-30P	L6-30P	5-15P	5-20P	6-20P	
Cord Length (ft)	6		10		10		10	
Output Receptacles (Qty - Type)	**2** - 5-15R	**8** - 5-15/20R	**24**-5-15/20R	**3**-IEC320 C19 **21**-IEC320 C13	**8** - 5-15/20R	**16** - 5-15/20R	**8** - IEC320 C13	**2** - IEC320 C19 **14** - IEC320 C13
Input Circuit Breaker	15A	15A	30A	30A	15A	20A	20A	20A
Maximum Capacity	12A	12A	24A	24A	12A	16A	16A	16A
Display Type	LED - Unit/Equipment Status	LCD + Status LED			LCD + Status LED		LCD +Status LED	
Net Weight (lbs / kgs)	1.78 / 0.806	7.94 / 3.6	18.52 / 8.4	18.74 / 8.5	4.85 / 2.2	8.82 / 4.0	4.63 / 2.1	8.15 / 3.7
Power On/Off Sequencing	✓	✓	✓	✓	✓	✓	✓	✓
Event Alert Types	Email / Trap / SMS	Email / Trap / Audible			Email / Trap / Audible		Email / Trap / Audible	
SYSLOG Support	Yes	Yes			Yes (w/SW Utility)		Yes (w/SW Utility)	
Safety Certification	cTUVus, CE Certified	cUL, UL60950-1, CE Certified			cUL, UL60950-1, CE Certified		cUL, UL60950-1, CE Certified	

OEPD Power Distribution Units (PDUs)

8-24 Outlet Solutions for Safely Distributing Power to Equipment

Complete your power system installation with high quality PDU solutions from Minuteman. OEPD series PDUs feature lengthy power cords, versatile configuration options, and a host of premium features, all at an incredible value.

Minuteman's robust PDU line offers products ranging in capacity from 15 to 30 Amps, in both vertical and horizontal orientations. In addition, select models feature surge suppression and load metering. OEPD power cords are strain-relieved with molded plugs, and use heavy-gauged cables. All models have an external ground stud.

OEPD1415HVA (top) OEPD1420HV (bottom)
Power Distribution Units

Key Product Line Features

- ***Amp Meter*** — Real-time Monitor
- ***208V Available*** — Tel/network solution
- ***Warranty*** — Limited Lifetime

Applications

- ***Data Center / Rack*** — Server, Network
- ***Communications*** — Telephone Systems
- ***Security*** — DVR, IP-video

Features

- **Longer Power Cords**
  Most Minuteman PDU units have 15-ft power cords, eliminating the need for 6-, 8-, or 10-ft alternatives
- **More Standard Outlets**
  Minuteman PDU units have 6, 8, 10, 12, 14, 18, or 24 outlets. Most of the Minuteman PDUs have additional front outlets for improved access
- **Configuration Versatility**
  Minuteman PDU units have a multi-form factor with 1U and 0U configurations allowing for either horizontal or vertical placement. 1U products ship with a stand-off mounting bracket, at no additional cost, that allows for vertical installation on most racks and enclosures
- **Locking Input Plugs (L)**
  Select models (L) feature locking input plugs for added security
- **Surge Protection (OES)**
  OES models provide surge protection for connected devices
- **Load-Metering (A)**
  Amp-metered units (A) are available to display connected equipment loads
- **High Standards**
  PDUs are listed with higher UL 60950-1 standards. All PDUs are compatible with any data center or network installation
- **Cost Effective**
  More outlets, longer cords and more features are what make the OEPD Series the best value today. The features are all standard with the series
- **Higher Reliability**
  Designed to provide maximum uptime, Minuteman PDUs' switchless design and on/off LEDs provide greater MTBF (Mean Time Between Failure)
- **Protected Investment**
  Minuteman surge-protected (OES) PDUs carry a limited lifetime warranty and $50,000 Minuteman Platinum Protection Plan (US and Canada only)

Models *Complete spec table at minutemanups.com/oepd*

Model	Outlet Type	Qty (f/r)	Mounting Format	Locking	Surge	Metered
Generic PDU w/o Minuteman Label: 120VAC Input/Output						
OEPD615HV	NEMA 5-15R	6 / 0	1U Horiz. / 0U Vert.	-	-	-
OEPD615V12PC6	NEMA 5-15R	6 / 0	0U Vert.	-	-	-
OEPD815HV	NEMA 5-15R	2 / 6	1U Horiz. / 0U Vert.	-	-	-
OEPD1415HV	NEMA 5-15R	6 / 8	1U Horiz. / 0U Vert.	-	-	-
OEPD1415HVA	NEMA 5-15R	6 / 8	1U Horiz. / 0U Vert.	-	-	✓
OEPD1815V48	NEMA 5-15R	18 / 0	0U Vert.	-	-	-
OEPD2415V62	NEMA 5-15R	24 / 0	0U Vert.	-	-	-
OEPD1020HV	NEMA 5-15/20R	2 / 8	1U Horiz. / 0U Vert.	-	-	-
OEPD1020HVL	NEMA 5-15/20R	2 / 8	1U Horiz. / 0U Vert.	✓	-	-
OEPD1420HV	NEMA 5-15/20R	6 / 8	1U Horiz. / 0U Vert.	-	-	-
OEPD2420V62	NEMA 5-15/20R	24 / 0	0U Vert.	-	-	-
OEPD2420V62L	NEMA 5-15/20R	24 / 0	0U Vert.	✓	-	-
OEPD2420VA62L	NEMA 5-15/20R	24 / 0	0U Vert.	✓	-	✓
OEPD2430V48DCL	NEMA 5-15/20R	24 / 0	0U Vert.	✓	-	-
Generic Surge-protected PDU w/o Minuteman Label: 120VAC Input/Output						
OES1015HV	NEMA 5-15R	2 / 8	1U Horiz. / 0U Vert.	-	✓	-
OES1020HV	NEMA 5-15/20R	2 / 8	1U Horiz. / 0U Vert.	-	✓	-
OES1020HVL	NEMA 5-15/20R	2 / 8	1U Horiz. / 0U Vert.	✓	✓	-
OES620V16PC6	NEMA 5-15/20R	6 / 0	0U Vert.	-	✓	-
Generic PDU w/o Minuteman Label: 208VAC Input/Output						
OEPD1220C13HVLT [1]	IEC320 C13	12 / 0	1U Horiz. / 0U Vert.	✓	-	-
OEPD2430V48DCLT [1]	IEC320 C13	24 / 0	0U Vert.	✓	-	-
Minuteman Labeled PDU: 120VAC Input/Output, 15-Amp						
MMPD1815V48	NEMA 5-15R	18 / 0	0U Vert.	-	-	-
MMPD2415V62	NEMA 5-15R	24 / 0	0U Vert.	-	-	-

[1] 8.4' power cord

MMS Surge Protectors

Protect non-critical equipment from spikes and surges

Minuteman's MMS Series surge protection products are perfect for protecting devices which will not be required during an outage. Models ranging from travel friendly, single-outlet wall taps to feature-rich rotating outlet strips are available, and each provides exceptional protection at a tremendous value.

MMS130RC Slimline Surge Protector

MMS7120RCT Rotating Outlet Surge Protector

Key Product Line Features

- ***X3 MOV Surge Technology***
  Advanced hardware prevents fire
- ***Warranty***
  Limited lifetime

Applications

- ***Home Theater***
  AV equipment
- ***Office / Workstation***
  Non-critical perhipherals
- ***Security***
  IP-video, DVR, POE

MMS Features

- **Substantial Surge Ratings**
  Ratings up to 4320J ensure maximum protection
- **X3 MOV Safety**
  Advanced technology prevents fire from surges
- **Versatile Solutions**
  Rotating outlet and slimline products provide innovative solutions for powering your equipment
- **Phone / Fax/ Network (T) and Coax (C) Protection**
  Protect from damaging spikes and surges over data lines
- **UL1449, UL1363 and cUL Certified**
  Select models also UL452 certified
- **Worry-Free Protection**
  Limited lifetime warranty on properly connected equipment protection up to $200,000 (US and Canada only)

Models *Complete spec table at minutemanups.com/mms*

Model	Joule Rating	Outlet Qty	Rotating Outlets	Phone/ Fax	Coax	Dimensions (in.)	Cord Length	Protect. Indicator
MMS110	540	1	-	-	-	2.13 x 2 x 2.38	-	✓
MMS130C	1080	3	-	-	✓	4.02 x 4.02 x 2.28	-	✓
MMS362P	241	6	-	-	-	10.79 x 3.27 x 3.15	3 ft.	-
MMS370	1080	7	-	-	-	12.76 x 4.25 x 1.77	6 ft.	✓
MMS370T	1440	7	-	✓	-	12.76 x 4.25 x 1.77	6 ft.	✓
Rotating Outlet Series								
MMS780R	2160	8	6	-	-	14.02 x 3.54 x 2.28	7 ft.	✓
MMS760RCT	2160	6	6	✓	✓	6.26 x 4.25 x 2.52	-	✓
MMS7100RT	2880	10	5	✓	-	12.52 x 4.41 x 1.89	7 ft.	✓
MMS7120RCT	4320	12	8	✓	✓	11.89 x 6.02 x 2.17	9 ft.	✓
Slimline Series								
MMS130RC	1080	3	1	-	✓	8.1 x 5.0 x 3.375	-	✓
MMS660S	540	6	-	-	-	9.1 x 5.95 x 1.07	-	✓
MMS664S	1080	6	-	-	-	16.0 x 5 x 1.5	4 ft.	✓
MMS686SCT	3420	8	-	✓	✓	16.85 x 7.0 x 1.5	6 ft.	✓

MMS110

MMS130C

MMS760RCT

MMS660S

MMS362P

MMS370

MMS780R

MMS7100RT

MMS686SCT

MMS664S

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Para Systems, Inc.
1455 LeMay Drive
Carrollton, TX 75007

800.238.7272 • 972.446.7363
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