

# MINUTEMAN® PRO-E™ Series



## PRO-E Series Key Features

Designed for protection of:

- PCs
- Telephone Systems
- Data Communications

The built-in double-boost and single-buck AVR (Automatic Voltage Regulator) function compensates for broader range of low AC voltage situations like brownouts and sags as well as high AC voltage situations like surges and spikes saving internal battery power for blackouts and extending the life of the batteries

Independent Battery Bypass™ allows the UPS to provide voltage regulation with surge and spike protection on utility AC power even when batteries are weak or dead

Includes MINUTEMAN Sentryll™ power management and diagnostic software to provide added control and allow unattended PC shutdown (for use on individual PCs or multiple workstations on networks)

Integrated USB and RS232 ports for software communications (USB and RS232 cables included)

3-Year Parts and Labor Warranty

\$50,000 MINUTEMAN Platinum Protection Plan® (U.S. and Canada)

## High-quality protection with a compact design

The MINUTEMAN® PRO-E™ Series of Uninterruptible Power Supplies (UPS) delivers complete protection from electrical problems — spikes, surges, sags, brownouts, and blackouts. All PRO-E models are amazingly compact and take up little space on the desktop or under a console. The PRO500E and PRO700E units provide an ample power source for a computer, monitor, and other attached devices with four (4) battery backup outlets with surge protection and two (2) surge-only outlets. The PRO1100E and PRO1500E models are only slightly larger in physical size, yet each offers an expansive six (6) outlets with battery backup and surge protection and heavy power-handling capabilities found in much larger-sized models. This size-to-power ratio makes them ideal for high-power requirement devices installed in cramped quarters.

## “E” for enhanced features

Each PRO-E model has enhanced features from its predecessors like built-in Automatic Voltage Regulation (AVR) technology to provide a double-boost to incoming AC during low voltage situations in addition to “bucking” or trimming the AC during a high voltage situation, preserving vital battery backup power for blackouts, and extending the life of the batteries. Unlike some competitive models, the PRO-E model includes Independent Battery Bypass™ which allows it to provide AVR and surge and spike protection with weak or even dead batteries without dropping the load from utility AC power. Other features include adjustable input and output voltage ranges for AC mode and on-battery voltage can also be set to a steady 120 or 127 volts via dip switches on the back of each PRO-E model. Each unit also includes protection for either a network or a phone line to keep damaging AC surges and spikes from entering through those pathways (network protection only on 230 volt models).

## Power management software offers full control

Install the included MINUTEMAN Sentryll™ power management and diagnostic software onto a workstation or server to gain complete control over monitoring and managing the UPS using a convenient Web browser-based interface. Sentryll allows both scheduled and unattended graceful shutdown of a computer, user-configurable responses to power events, and automatic notification of events via e-mail, network, or pager.

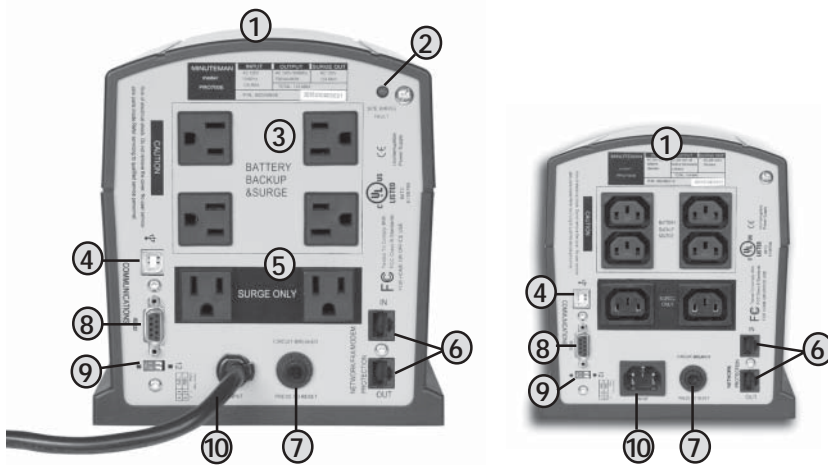
## Reliability — Guaranteed

MINUTEMAN PRO-E™ units are backed by an unprecedented 3-year warranty that covers all parts and labor. The MINUTEMAN Platinum Protection Plan® insures properly connected equipment for up to \$50,000.

# MINUTEMAN® PRO-E™ Series Specifications

Model (230V in parenthesis)	PRO500E (PRO500IE)	PRO700E (PRO700IE)	PRO1100E (PRO1100IE)	PRO1500E (PRO1500IE)
<b>VAWatts</b>	500 / 350	700 / 490	1100 / 770	1500 / 1050
<b>Topology</b>	Line-interactive			
<b>Agency Approvals</b>	UL, cUL, CE, FCC class B, (UL1449 Compliant)			
<b>Warranty</b>	3-years parts and labor			
<b>Equipment Protection Policy</b>	Up to \$50,000			
<b>Battery-Backup / Surge-Protected Outlets</b>	4 NEMA 5-15R (4 IEC 320)		6 NEMA 5-15R (6 IEC 320)	
<b>Surge-Only Outlets</b>	2 NEMA 5-15R (2 IEC 320)			
<b>Input (non-battery operation)</b>				
<b>Voltage Range</b>	Default settings: 75V to 145V (150V to 280V)			
<b>Frequency Range</b>	50/60Hz auto-sensing $\pm$ 6Hz			
<b>Output (non-battery operation)</b>				
<b>Voltage Range</b>	120V setting: 105V to 130V, 127V setting: 105V to 136V (230V setting: 206V to 250V, 208V setting: 198V to 250)			
<b>Frequency</b>	50/60Hz $\pm$ 6Hz			
<b>Surge Protection</b>	500 joules (440 joules)			
<b>Output (battery operation)</b>				
<b>Voltage</b>	Default 120V (230V) Adjustable 127V (208V)			
<b>Voltage Regulation</b>	$\pm$ 1% until Low Battery Warning ( $\pm$ 2% until Low Battery Warning)			
<b>Frequency</b>	$\pm$ 0.5% unless synchronized to AC Line			
<b>Wave Form</b>	Step simulated sinewave			
<b>Typical Transfer Time</b>	2-6 ms.			
<b>Interface and Indicators</b>				
<b>Communications Port</b>	Universal Serial Bus (USB) communications cable, RS232 cable and MINUTEMAN SentryII™ power management and diagnostic software included			
<b>LED Status Indicators</b>	AC normal, boost mode, buck mode, battery mode, internal fault, over-current, battery fault (weak, bad or disconnected battery), site-wiring fault			
<b>Audible Alarms</b>	On battery, low battery, internal fault, over-current, battery weak, battery bad, or battery disconnected			
<b>Battery System</b>				
<b>Hot Swappable Battery</b>	Yes			
<b>Internal Battery</b>	Yes			
<b>Battery Type</b>	1-12V9AH	2-12V7AH	3-12V7AH	3-12V9AH
<b>Battery System</b>	12VDC	24VDC	36VDC	
<b>Typical Recharge</b>	8 hours to 90% from total discharge			
<b>Mechanical</b>				
<b>Net Dimensions H x W x D</b>	7.56 x 6.38 x 12.56" (192 x 162 x 319 mm)		8.03 x 6.38 x 16.18" (204 x 162 x 411 mm)	
<b>Net Weight lbs. (kg)</b>	20.3 lbs. (9.2 kg)	27.33 lbs. (12.4 kg)	39.24 lbs. (17.8 kg)	42.33 lbs. (19.2 kg)
<b>Shipping Dimensions H x W x D</b>	13 x 11.4 x 18.9" (330 x 290 x 480 mm)		13 x 12.6 x 22.8" (330 x 320 x 580 mm)	
<b>Shipping Weight lbs. (kg)</b>	23 lbs. (10.4 kg)	30 lbs. (13.6 kg)	43 lbs. (19.5 kg)	47 lbs. (20.9 kg)

\*User may adjust the Inverter Output Voltage and the Boost/Buck transfer points via dip switches on the rear panel.



## Product Overview

- 1) Includes Built-in Automatic Voltage Regulator
- 2) Site-Wiring Fault Indicator (120V Models Only)
- 3) Battery Backup & Surge Protected Outlets
- 4) USB Communication Port
- 5) Surge Protection Only Outlets (500 & 700 VA Only)
- 6) RJ45 / RJ11 Network/Modem/Fax Protection (Network Protection Only on 230V Models)
- 7) AC Input Circuit Breaker
- 8) RS232 Communication Port
- 9) Inverter Output Voltage, Voltage Boost/Buck Dip Switches
- 10) AC Input Power Cord / AC Power Inlet

**SizeMyUPS.com**

Need quick answers to your UPS questions? Visit our interactive UPS selection guide on the Web to find the right product for your needs *fast*.



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Tested To Comply With FCC Class B Standards  
 FOR HOME OR OFFICE USE

