

# MINUTEMAN® MBK-E™ Series



## MBK-E Series Key Features

Designed for protection of:

- PCs
- Telephone Systems
- Data Communications

The built-in AVR (Automatic Voltage Regulator) provides a boost function to compensate for low AC voltage situations like brownouts and sags, saves internal battery power for blackouts and extends 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 port for software communications (USB cable included)

3-Year Warranty for Internal Electronics  
2-Year Warranty for Batteries

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

### Complete power protection for multiple devices

The MINUTEMAN® MBK-E™ Series is a competitively priced line of Uninterruptible Power Supplies (UPS) that provides complete protection from electrical problems — spikes, surges, sags, brownouts, and blackouts. Both the MINUTEMAN MBK550E and MBK750E units are amazingly compact and, for all the power protection packed inside, take up little space on the desktop or under a console. Both 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. 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.

### Robust features found on more expensive models

Each MBK-E model features built-in Automatic Voltage Regulation (AVR) technology to boost incoming AC during low voltage situations, preserving vital battery backup power for blackouts, and extending the life of the batteries. In addition, each model includes Independent Battery Bypass™ which allows the MBK-E to provide AVR and surge and spike protection with weak or even dead batteries without dropping the load from utility AC power. Both input and output voltage ranges for AC mode are user-adjustable via dip switches on the back of each MBK-E model. On-battery voltage can be set to a steady 120 or 127 volts.

### 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.

### Protect your telephone key system

Keep your phones working during power outages by adding a MINUTEMAN MBK-E™ Series UPS. With its front-access, hot-swappable battery it is ideal for protecting small business phone systems.

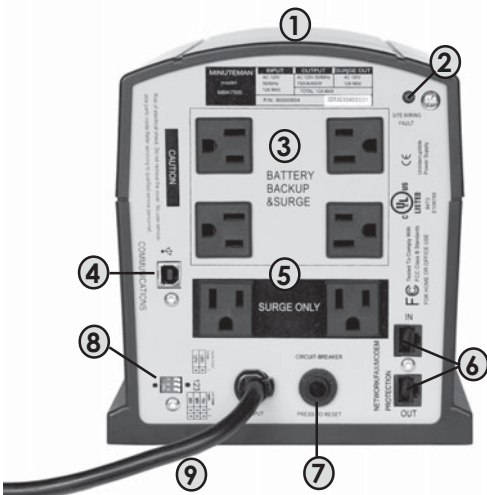
### Reliability — Guaranteed

MINUTEMAN MBK-E™ units are backed by an unprecedented 3-year warranty that covers all internal electronics and a 2-year warranty for batteries. The MINUTEMAN Platinum Protection Plan® insures properly connected equipment for up to \$50,000.

# MINUTEMAN® MBK-E™ Series Specifications

Model	MBK550E	MBK750E
VA/Watts	550 / 330	750 / 450
Topology	Line-interactive	
Agency Approvals	UL, cUL, CE, FCC Class B, (UL 1449 Compliant)	
Warranty	3-year parts and labor warranty for internal electronics (2-year warranty for batteries)	
Equipment Protection Policy	Up to \$50,000	
Battery-Backup / Surge-Protected Outlets	4 NEMA 5-15R	
Surge-Only Outlets	2 NEMA 5-15R	
<b>Input (non-battery operation)</b>		
Voltage Range	Default settings: 85V to 132V Adjustable settings: 75V/80V to 132V (120V), 75V/80V to 140V (127V)	
Frequency Range	50/60Hz auto-sensing $\pm$ 6Hz	
<b>Output (non-battery operation)</b>		
Voltage Range	120V settings: 105V to 132V, 127V setting: 105V to 140V	
Frequency	50/60Hz $\pm$ 6Hz	
Surge Protection	500 Joules	
<b>Output (battery operation)</b>		
Voltage	120V/127V	
Voltage Regulation	$\pm$ 1% until Low Battery Warning	
Frequency	$\pm$ 0.5% unless synchronized to AC Line	
Wave Form	Step simulated sinewave	
Typical Transfer Time	2-6 ms.	
<b>Battery System</b>		
Hot Swappable Battery	Yes	
Internal Battery	Yes	
Battery Type	1-12V7.2AH	2-12V7AH
Battery System	12VDC	24VDC
Typical Recharge	8 hours to 90% from total discharge	
<b>Interface and Indicators</b>		
Communications Port	Universal Serial Bus (USB) communications cable and MINUTEMAN Sentryll™ power management and diagnostic software included	
LED Status Indicators	AC normal, boost mode, battery mode, internal fault, over-current, battery fault (weak, bad or disconnected battery), site-wiring fault	
Audible Alarms	On battery, low battery, internal fault, over-current, battery weak, battery bad or battery disconnected	
<b>Mechanical</b>		
Net Dimensions H x W x D	7.56 x 6.38 x 12.56" (192 x 162 x 319 mm)	
Net Weight lbs.(kg)	18.74 lbs. (8.5 kg)	25.8 lbs. (11.7 kg)
Shipping Dimensions H x W x D	13 x 11.4 x 18.9" (330 x 290 x 480 mm)	
Shipping Weight lbs.(kg)	22 lbs. (9.7 kg)	29 lbs. (12.9 kg)

\*User may adjust the Inverter Output Voltage transfer point and the Over-Voltage transfer point via dip switches on the rear panel



## Product Overview

- 1) Includes Built-in Automatic Voltage Regulator
- 2) Site-Wiring Fault Indicator
- 3) Battery Backup & Surge Protected Outlets
- 4) USB Communication Port
- 5) Surge Protection Only Outlets
- 6) RJ45 / RJ11 Network/Modem/Fax Protection
- 7) AC Input Circuit Breaker
- 8) Inverter Output Voltage, Low-Voltage/Over-Voltage Dip Switches
- 9) AC Input Power Cord

**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

