

Complete Protection - Incredible Price

Minuteman Power Technologies' MM-AVR Series of Uninterruptible Power Supply (UPS) systems provide the perfect mix of performance and value. The MM-AVR features Automatic Voltage Regulation, which provides protection from all power problems, including spikes, sags/brownouts, and blackouts. Its compact size and quiet operation allow for convenient installation in public areas and offices. All MM-AVR models are also covered by a 1-year parts, labor, and battery warranty.

The Low-cost UPS You've Been Waiting For

The MM-AVR Series of UPSs offers exceptional protection from power problems, as well as features normally found on more expensive units.

- **Excellent Return on Investment** - the Minuteman MM-AVR UPS units provide improved performance over similarly priced UPS units
- **Quiet Operation** - units can be placed in office and other environments because of its low noise factor
- **Peace of Mind** - all models are covered by a one-year parts, labor, and battery warranty
- **Excellent Customer Support and Service** - available from local distributors
- **Automatic Voltage Regulation (AVR)** - assures voltage compatibility with 120 volt equipment
- **Surge Protection** - RJ45 port to protect your telephone, fax, or modem from power surges (1000VA & up)
- **Ability to Cold Start** - MM-AVR may be used even when no AC power is available
- **Prolonged Battery Life** - AVR architecture and intelligent battery management mean longer battery life

Capacity

- ☒ Small ☒ Midsize ☒ Enterprise level

Applications

- ☒ Workstations ☒ Network/Server ☒ Phone & Security Systems

Compact Form

The MM-AVR is available in 5 VA ratings, in three different physical sizes. Each compact tower unit is small enough for installation in even the tightest locations.



MM500/700AVR



MM1000AVR



MM1500/2000AVR

Minuteman® MM-AVR™ Series Line-Interactive UPS Specifications

Model	MM500AVR	MM700AVR	MM1000AVR	MM1500AVR	MM2000AVR
Capacity	500VA	700VA	1000VA	1500VA	2000VA
Topology	Line-Interactive, Simulated Sine				
Input					
Input Voltage	110/120 VAC				
Input Voltage Range	85-145 VAC				
Protection					
Surge Rating	314J			158J	
Output Voltage Regulation	± 10 % (Battery Mode)				
Transfer Time	Typical 6mS (10mS max)				
Waveform	Simulated Sine Wave				
Battery					
Battery System	12 VDC		24 VDC		
Battery	1 - 12V4.5Ah	1 - 12V7Ah	2 - 12V7Ah	2 - 12V9AH	
Charging Time	8 Hours recover to 90% capacity				
Indicators					
Normal AC Mode	Green LED Solid On		Green LED Solid On		
Battery Mode (Utility power has failed)	Green LED Flashing		Yellow LED Flashing		
Fault	N/A		Red LED Solid On		
Physical					
Net Dimension (D x W x H)	10.98 x 3.98 x 5.90" 279 x 101 x 150 mm		13.78 x 5.75 x 6.30" 350 x 146 x 160 mm	15.63 x 5.75 x 8.07" 397 x 146 x 205 mm	
Net Weight	7.8 lbs 3.55 kg	9.4 lbs 4.25 kg	17.6 lbs 8.0 kg	24.5 lbs 11.1 kg	25.4 lbs 11.5 kg
Environmental					
Humidity	0-90% RH @ 0-40°C (non-condensing)				
Temperature	+32 to +104°F (0 to 40° C)				
Noise Level	Less than 40dB				

MM-AVR Series Features

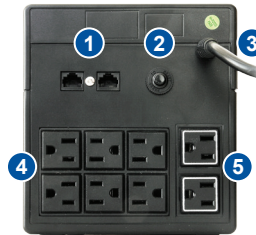
MM500/700AVR



MM500/700AVR Rear

- 1 4 Battery Backup & Surge Outlets
- 2 AC Input Power Cord

MM1000AVR



MM1000AVR Rear

- 1 Phone / Fax / Network Port
- 2 AC Input Circuit Breaker
- 3 AC Input Power Cord
- 4 6 Battery Backup & Surge Outlets
- 5 2 Surge-only Outlets

MM1500/2000AVR



MM1500/2000AVR Rear

- 1 AC Input Power Cord
- 2 Ultra Quiet Cooling Fan
- 3 2 Surge-only Outlets
- 4 Phone / Fax / Network Ports
- 5 AC Input Circuit Breaker
- 6 6 Battery Backup & Surge Outlets

Para Systems, Inc., with its Minuteman® line of power technology products, is a leading provider of uninterruptible power supplies and power management hardware and software for mission-critical equipment such as network equipment, computers, point-of-sale systems, telecommunications systems, security systems, and home theater systems. Its UPS products range from 400VA standby units to true sine wave, line-interactive, and on-line models rated up to 24kVA.

Minuteman power technology products:

- **UPS systems** - online, line interactive and standby
- **Surge suppressors** - including ruggedized, child safety outlets and rotating outlets
- **Power distribution units (PDUs)**
- **Power monitoring and control software**
- **SNMP cards**

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