

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. The 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.

- Exc - the IMleint- return on investment uteman MM-AVR UPS units provide improved performance over similarly priced UPS Units
 - units can be placed in
 - Quiet Operation 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
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- Excellent customer support and service based at our headquarters in Texas
 - RJ45 ports to protect
- Surge Protection your telephone, fax, or modem from power surges (1000VA & up)
 - MM-AVR may be used
- Ability to cold start even when no AC power is available
 - AVR architecture
- Prolonged Battery Life and intelligent battery management mean longer battery life
- Automatic Voltage Regulation (AVR) equipment assures voltage compatability with 120 volt

Capacity

Small Mid 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				
Input Voltage Range	VAC 85-145				
Protection					
Surge Rating	158 J				
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 - 12V4.5Ah1 - 12V7Ah2 - 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	
Fault	N/A			Flashing Red LED	
Physical					
Net Dimension (D x W x H)	10.98 x 3.98 x 5.90" 279 x 101 x 142 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	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

MM500AVR, MM700AVR



MM500/700AVR Rear

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

MM1000AVR



MM1000AVR Rear

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

MM1500/2000AVR



- 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 systems, equipment, computers, point-of-sale 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

