

Automatic Voltage Regulation (AVR)

MM-AVR600 - 600VA/300W • MM-AVR800 - 800VA/480W
MM-AVR1200 - 1200VA/600W



Better protection!
Lower price!
Superior performance!

The MM-AVR Series of Uninterruptible Power Supplies (UPS) systems is your best choice for power protection. It features Automatic Voltage Regulation (AVR). Its compact size and quiet operation allows for convenient installation in public areas and offices. A full, industry-leading two-year warranty is provided (one-year battery warranty).

- **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 public environments because of its low noise factor
- **Industry-leading two-year warranty (one-year battery warranty)** - we stand behind our products
- **Excellent customer support and service from our headquarters**
- **Provides surge protection for your telephone, fax and modem**
- **Ability to cold start UPS when no AC power is available**
- **Prolonged battery life with intelligent battery management**
- **Automatic Voltage Regulation (AVR)** - assures voltage compatibility with 120 volt equipment

Minuteman®MM-AVR 600, 800 and 1200 Specifications

Model Capacity		MM-AVR 600 600VA/300W	MM-AVR 800 800VA/480W	MM-AVR 1200 1200VA/600W
Input	Phase	Single phase		
	Voltage range	95V-145V/±3V		
	Input Rated	6.4Amp	8Amp	12Amp
	Frequency	60Hz±5Hz		
Output	Output rated	5Amp		
	Voltage (battery mode)	120V±10%		
	Wave form	AC mode - follows utility Battery mode - Step SineWave		
	Frequency	AC mode-follow utility Battery mode 60±5Hz		
	Frequency stability	<0.5Hz(battery operation)		
	Transfer time	Typical 4ms, maximum 10ms		
Protection	Surge protection	320 Joules		
	Input protection	Compliance with IEEE 587		
	Short circuit	Fuse		
Battery	Type	12v Sealed non-spillable lead acid, maintenance free		
	Recharge	8 hours to 90% capacity after fully discharged		
	Backup time (full load)	≥3 min		
	Charge current	350mA - 1A		
	Battery configuration	1x12V/7AH	1x12V/9AH	2x12V/7AH
Indicators	AC mode	Green LED on, Orange LED on, Red LED off, no beep		
	Charging battery	Orange LED on		
	Battery mode	Green LED and orange LED off, Red LED flash, buzzer slow beep		
Environment	Audible noise at 1m	<45dB		
	Temperature	0--40 ° (+32 to 104 °)		
	Humidity	0%-90% non-condensing		
Physical	Net/ shipping weight	7/7.5Kg (15.4/17.0 lbs)	7.5/8.0Kg (16.5/17.6 lbs)	13/13.7Kg (28.7/30.2 lbs)
	Unit dimension (L×W×H)(in)	320 x 94 × 162mm (12.0 x 3.7 x 6.4in)		382 x 124 × 225mm (15.0 x 4.9 x 8.9in)
	Shipping Dimension (LxWxH)mm(in)	375 x 145 × 245mm (14.8 x 5.7 x 9.7)		460 x 190 × 300 (18.1x 7.5 x 11.8in)
	Cord Length (feet)	1.83 meters (6 feet)		
	Outlets	3 NEMA 5-15R		4 NEMA 5-15R

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 325VA standby units to true sine wave, line-interactive, and on-line models rated up to 10kVA.

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)**
- **KVM (Keyboard, Video, Mouse) Systems**
- **Power Monitoring and control** software
- **SNMP cards**



Para Systems, Inc./MINUTEMAN UPS

1455 LeMay Drive, Carrollton, TX 75007 U.S.A.
Phone 800.238.7272 +1 972.446.7363 Fax +1 972.446.9011

© Copyright 2006, Para Systems, Inc. Product specifications are subject to change without notice. Minuteman is a registered trademark of Para Systems, Inc.