



## M Series 1000/2000/3000 VA

### Features

- High frequency on-line UPS with microprocessor controlled technology
- Easy-to read LCD Display shows real time operating parameters and system flow chart.
- Unity input factor correction and high system efficiency
- Isolated construction provides high effective noise isolation for super clean output
- Advanced IGBT inverter provides pure sine wave output
- Smart overload and short circuit protection
- Dual-protocol smart RS232 port for UPS application software and SNMP connectivity
- RS232 software compatible with Windows 95/98/2000/NT 4.0/XP, LINUX, UNIX and DOS



ITEM		DESCRIPTION		
<b>MODEL</b>		M1000	M2000	M3000
<b>RATING</b>		1000VA	2000VA	3000VA
<b>WATTAGE</b>		700W	1400W	2100W
<b>INPUT</b>	Voltage	100 / 110 / 115 / 120 Vac or 200/220/230/240 Vac +22% ~ -27% Nominal	200 / 220 / 230 / 240 Vac +36% ~ -36% Nominal	
	Frequency	50 / 60Hz ±5% Auto Sensing		
	Phase	Single		
	Wiring	L-N+G		
	Power Factor (P.F.)	≥ 0.98		
<b>OUTPUT</b>	Voltage	100 / 110 / 115 / 120 Vac or 200 / 220 / 230 / 240 Vac Related To Input	200 / 220 / 230 / 240 Vac Related To Input	
	Voltage Regulation	±1.5%		
	Frequency	50 / 60 Hz ±0.3% (On Free-Running)		
	Waveform Type	Pure Sine Wave		
	THD	<3% (At Linear Load) <5% (At 0.7 P.F. Load)		
	Transient	±7% (For 0%~100% Load Change)		
	Crest Factor	Better Than 3:1		
	Transfer Time	Zero (Line Fails Or Recovers) 4ms Max. (UPS To Bypass Or Recovers)		
	Number of Outlets	3	2	1 Terminal + 1 Outlet Socket
	Overload Capacity	120 secs (110% On Inverter)		
<b>EFFICIENCY</b>	System	> 83%	> 85%	
<b>BATTERIES</b>	Battery Type	Maintenance Free Lead Acid		
	Re-Charge Time	6 Hours To 90% Charged		
	Battery Capacity	12V / 7.2AH x 3	12V / 7.2AH x 6	12V / 7.2AH x 8
	Typical Backup Time	7 Minutes (Full Load) 20 Minutes (Half Load)	7 Minutes (Full Load) 17 Minutes (Half Load)	7 Minutes (Full Load) 17 Minutes (Half Load)
<b>COMMUNICATIONS &amp; MANAGEMENT</b>	Interface Port	RS-232		
	Control Panel	LED Status Display On Utility, On Battery, Inverter O/P, Bypass, Overload, Battery Weak. LCD Status Display Voltage, Frequency, Battery, Battery&Load Level		
	Audible Alarm	On Battery, Low Battery, Over/Under Voltage, Frequency Error, Overload, Fault, High Temperature		
	Software	UPSlion 2000		
	Application Support	SEC's or Megatec's UPS Application Software Contact Closure Single For Novell/AS400 Application		
	OS Support	Windows 95, 98, 2000, ME, NT4.0, XP, Linux, UNIX		
<b>PHYSICAL</b>	Dimensions	150 mm (W) x 210 mm (H) x 410 mm (D) 5.9" (W) x 8.3" (H) x 16.1" (D)	198 mm (W) x 340 mm (H) x 460 mm (D) 7.8" (W) x 13.4" (H) x 18.1" (D)	
	Net / Gross Weight	18 kgs. / 19 kgs. 39.6 lbs. / 41.8 lbs.	37.5 kgs. / 41 kgs. 82.5 lbs. / 90.2 lbs.	44 kgs. / 47.5 kgs. 96.8 lbs. / 104.5 lbs.
<b>ENVIRONMENTAL</b>	Ambient	0°C -40°C (32°F -104°F), 30%-90% RH (Non-Condensing)		
	Audible Noise	Less Than 45 dBA (1 Meter Measured)		

