

MP Series

Rack Mount UPS

1 / 2 / 3KVA

1:1 Phase

TECHNOLOGY
IGBT²
SAVE ENERGY



3U



Features:

- High frequency and double conversion with PWM technology
- Fully digitized microprocessor control
- Wide input range
- LCD display
- Cold start
- Advanced battery management
- Automatic battery charging in UPS off mode
- Lightning and surge protection
- Short circuit and overload protection
- Fan speed adjusted by load automatically
- Network/fax/modem surge protection
- Optional extension battery pack
- EMI/RFI noise filter
- Smart Rs232 communication with monitoring software
- Optional SNMP card slot
- EPO function (optional)
- Input L and N reversed alarm function
- Size 2U
- IGBT based charger for smart battery management & improve input powerfactor

LCD Display



Rear Panel

1. RS232
2. USB
3. SNMP Slot
4. Fan
5. External Battery Socket
6. Output Socket
7. Input Socket
8. Circuit Breaker



▶ Technical Specifications of MP Series 1~3KVA

MODEL	MP1101L3	MP1101B3	MP1102L6	MP1102B6	MP1103L6	MP1103B6
Capacity (VA)	1000		2000		3000	
INPUT						
Nominal Voltage	230V AC (1Ph+N+PE)					
Operating Voltage Range	100~280V AC at 50% Load; 160~280V AC at 100% Load					
Operating Frequency Range	40~70 Hz (Auto Sensing)					
Power Factor	0.99					
Phase	Single Phase In / Single Phase Out					
OUTPUT						
Output Voltage	200 / 208 / 230 / 240V AC \pm 1%					
Output Frequency	Mains Mode: 50/60 Hz \pm 3Hz (Sync to Mains); Battery mode: 50/60 Hz \pm 0.1Hz					
Crest Factor / Power Factor	3:1 / 0.9					
Harmonic Distortion (THDi)	\leq 2% with linear load; \leq 5% with non-linear load					
Efficiency	92%					
Transfer Time	AC to DC	Zero				
	Inverter to Bypass	4 ms (Typical)				
Waveform	Pure Sinewave					
BATTERY						
DC Voltage	36V			72V		
Charging Current	1A	6A	1A	6A	1A	6A
Battery Configure		03 x 7AH		06 x 7AH		06 x 9AH
Typical Recharge Time	8 Hrs. (to 90% of full Capacity)					
SYSTEM FEATURES						
LCD Indication	Input Voltage & Frequency, Output Voltage & Frequency, Battery Voltage & Percent, Load Watt, VA & Percent, Inverter Temperature, Operation Mode Such as "ONLINE", "BYPASS", "ONBATT", "ERROR CODE".					
LED Indication	Normal Operation, Bypass and Fault Indication					
Audible Alarm	Battery Mode, Low Battery, Over Load and Fault					
Overload Capacity	>130~150% for 30 Sec, >150% for 300 ms					
Communication Interface	RS-232, USB & SNMP (Optional)					
ENVIRONMENTAL						
Operating Temperature	0~45°C					
Storage Temperature	-15~60°C					
Humidity Range	0~95% (Non-Condensing)					
Altitude	0-3000 m					
Noise Level	<50 dBA @ 1 mtr.					
PHYSICAL						
Net/Shipping Weight (Kg)	8/10	15.5/17.5	8.3/10.3	25/28	10/12	30/33
Dimension WxDxH (mm)	483x400x89 (2U)			438x580x133 (3U)		
STANDARDS						
Quality	ISO 9000, ISO 14001, OHSAS 18001, ISO 27001, BIS, RoHS					
Safety	IEC/EN62040-1					
EMC / Performance	IEC/EN62040-2; IEC/EN62040-3, Complying to CE					
Communication Interface						
Standard	RS-232					
Optional	SNMP / ModBus / USB / RS-485					
Monitoring Software	NetAgent Utility v5.8 / View Power / UPSilon 2000 / Muser 4000					

*Specifications are subject to change without prior notice.

