

MP Series

Rack Mount UPS

5 / 6 / 10 / 15 / 20KVA

1:1 Phase & 3:1 Phase



Rating 6KVA Inside Battery 16x7Ah



Features:

- True Online double conversion with PWM IGBT inverter technology
- Fully digitized microprocessor control
- IGBT based Rectifier and Inverter
- Wide input range
- LCD display Cold Start
- Unique design for internal battery 16*7AH / 9AH for 5 & 6KVA
- 5 & 6KVA are having unity output Power factor
- Advanced battery management
- Isolation Transformer Compatible
- 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 and Noise filter
- EPO function
- Parallel capacity up to 4 Nos., extendable 20KVA*4 up to 80KVA

Display :

1. LCD Display
2. LED Indicator
3. On/Off Button
4. Function



(6KVA)

Rear Panel

1. Intelligent Slot / SNMP(Optional)
2. Fan
3. Parallel Port
4. RS232
5. USB (Optional)
6. EPO
7. Bypass
8. Terminal



Parallel Operation, Parallel 4 Units



(20KVA)

► Technical Specifications of MP Series 5~20KVA

MODEL	MP1105L16	MP1106B16	MP1110L16	MP3110L20	MP3115L20	MP3120L20
Capacity (KVA)	05	06	10		15	20
INPUT						
Nominal Voltage	220V / 230V / 240V AC (1Ph+N+PE)			380 / 400 / 415V AC (3Ph+N+PE)		
Operating Voltage Range	100V~300V AC Load Dependent			277V~480V AC Load Dependent		
Operating Frequency Range	50 / 60 Hz \pm 20% (Auto Sensing)					
Power Factor	\geq 0.99					
OUTPUT						
Output Voltage	220V / 230V / 240V AC \pm 1% (Configurable)					
Output Frequency	Auto Sensing 50 / 60 Hz \pm 1~10% Sync Mode (Configurable), 50/60 Hz \pm 0.1 Hz Battery Mode					
Crest Factor / Power Factor	3:1 / 0.9 / 1.0 (Configurable)					
Harmonic Distortion (THDv)	\leq 2% with linear load; \leq 5% with non-linear load					
Overload	110% for 10min, >130~150% for 50 Sec, >150% for 200 ms					
Efficiency	Up to 95% Dual Conversion Mode, 99% ECO Mode					
BATTERY						
Charging Voltage	192V DC \pm 1% (Based on 16 Nos. Battery)			273V DC \pm 1% (Based on 20 Nos. Battery)		
Charging Current	6A Max.			4A Max.		
Battery Nos.	16 Nos. (16~20 Nos. Adjustable)**			20 Nos. (18~20 Nos. Adjustable)**		
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					
IP Protection	IP 20					
Transfer Time	Zero					
ENVIRONMENTAL						
Temperature	Operating: 0~45°C, Storage: -10°C ~ 55°C 0~45°C					
Humidity / Altitude	0~95% RH Non-condensing / <1500 M					
Noise	Low Audible Noise Level					
PHYSICAL						
Dimensions WxDxH (mm)	UPS	444x660x166 (4U)		443x580x133 (3U)		438 668x266 (6U)
	Battery Pack	Space for 16x7AH/9AH Intl. Batt.		438x580x133 (3U)		
Net/Shipping Weight (Kg)	8/10	15.5/17.5	8.3/10.3	25/28	10/12	30/33
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 / Dry Contact / USB / RS-485					
Monitoring Software	NetAgent Utility v5.8 / View Power / UPSilon 2000 / Muser 4000					

Specifications are subject to change without prior notice.

** UPS has flexi battery DC Bus, Battery Nos. can be adjusted to 16, 18, 20 Nos.

* Rail-Kit are available according to various size in U and Model No. *** Maximum capacity can be configured upto 80KVA (4 x 20KVA in Parallel Mode).

