



Online UPS 1Phase Out

MP Series

6~20 KVA-80KVA

1:1 phase PF: 0.8



Features:

- High frequency and double conversion on-line technology
- Fully digitized microprocessor control
- Wide input voltage range
- LCD display
- Cold start
- Parallel capacity upto 4Nos.
- Advanced battery management
- Automatic battery charge in UPS off mode
- Lightning and surge protection
- Short circuit and overload protection
- Fan speed adjusted by load automatically
- Optional extension battery pack
- EMI/RFI noise filter
- Smart RS232 communication with monitoring software
- Optional SNMP card slot



LCD + LED display

1. LCD
2. On/Off button
3. Self-test/Silence button
4. Scroll button
5. Normal
6. Alarm
7. Abnormal



Rear Panel

1. RS232
2. Fan
3. Input breaker
4. Terminal block
5. SNMP slot
6. Parallel port
7. Battery socket



Parallel operation,
parallel 3 units



Battery Cabinets
(Optional)

▶ Technical Specifications

MODEL	MP1106L16	MP1110L16	MP3110L20	MP3115L20	MP3120L20
Capacity (VA)	6000	10000		15000	20000
INPUT					
Nominal voltage	230VAC (1Ph+N)		380/400/415 VAC(3Ph+N+PE)		
Operating voltage range	120-276Vac		305-478 VAC(3-phase)@100% load; 190-520 VAC(3-phase)@90% load		
Operating frequency range	46~54Hz or 56~64Hz (auto sensing)				
Power factor	≥0.99@100% load				
OUTPUT					
Output voltage	220/230/240Vac		208/220/230/240VAC		
AC Volt. Regulation (Batt. Mode)	± 1%				
Frequency Range (Batt. Mode)	50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz				
Current Crest Ratio/Power factor	3:1 (max.) / 0.9				
Harmonic Distortion	≤2 % THD (Linear Load); ≤5 % THD (Non-linear Load)				
Transfer Time(AC to Batt. mode)	Zero				
Inverter to Bypass	Zero				
Waveform (Batt. Mode)	Pure Sinewave				
EFFICIENCY					
AC Mode	92%				
Battery Mode	92%				
BATTERY					
Battery Type	Depending on the capacity of external batteries				
Numbers	16 Nos. (16 to 20 Nos. adjustable)**		20 (18-20 adjustable)**		
Charging Current (max.)	6A max.		4 A max.		
Charging Voltage	273 VDC ± 1% (based on battery numbers at 20 pcs)				
INDICATORS					
LCD Panel	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions				
ALARM					
Battery Mode	Sounding every 4 seconds				
Low Battery	Sounding every second				
Overload	Sounding twice every second				
Fault	Continuously sounding				
PHYSICAL					
Dimension, W X D X H (mm)	443x580x133 (3U)		438x668x133 (3U)	438x668x266 (6U)	
Battery pack dimension	W x D x H (mm)		438 x 580 x 133 (3U)		
Net Weight (Kgs)	23	25	25	42	45
ENVIRONMENT					
Operation Humidity	0-95 % RH @ 0 - 40°C (non-condensing)				
Noise Level	Less than 60dB @ 1 Meter				
MANAGEMENT					
Smart RS-232/USB	Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7, Linux, Unix, and MAC				
Optional SNMP	Power management from SNMP manager and web browser				

Specifications are subject to change without prior notice.

** UPS has got flexi battery DC bus, Battery no. can be adjusted to 16,18,20 Nos.

*** Maximum capacity can be configured to 80KVA (4 x 20KVA in Parallel Mode).



Parallel operation,
parallel 4 units



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