

MP Series

Single Phase In- Single Phase Out

Rack Mount UPS 4~11kVA

Applications:

For all kind of ADP Machines



The **MP Series** ranges from 4 to 11kVA Rack mount & Tower design suitable for all types of power problems & protection for ADP machines. This series incorporates highest efficiency in the industry with lowest form factor. A comprehensive LCD rotational display allows users to easily monitor and access their UPS status. Low electromagnetic emissions compliant for sensitive loads.

Features:

- ◆ True online double conversion topology
- ◆ 3-Level IGBT Based Rectifier & Inverter
- ◆ Input power factor correction, ≥ 0.99
- ◆ Output power factor 1.0, kVA=kW
- ◆ Support paralleling up to 4 units
- ◆ Configurable Battery : 16/18/20 Nos.
- ◆ Generator compatible
- ◆ Charging Current of 4A (Standard) up to 10A (Optional)
- ◆ Emergency power off function (EPO)
- ◆ Rack-Tower 2-in-1 design
- ◆ Hot-swappable battery design
- ◆ User friendly LCD Display, rotation of LCD, According to tower / rack

Technical Specifications of MP Series 4~11kVA

MODEL	MP1104B16	MP1105B16	MP1106B16	MP1104L16	MP1105L16	MP1106L16	MP1111L16-E6
PHASE	Single Phase with Ground						
CAPACITY	4kVA/kW	5kVA/kW	6kVA/kW	4kVA/kW	5kVA/kW	6kVA/kW	11kVA/kW
INPUT							
Nominal Voltage	208/220/230/240VAC						
Input Voltage Range	110-286VAC						
Frequency Range	46Hz ~ 54 Hz or 56Hz ~ 64 Hz						
Power Factor	≥ 0.99						
OUTPUT							
Output Voltage	208/220/230/240VAC						
Voltage Regulation	± 1%						
Frequency Range (Synchronized Range)	40-70Hz						
Frequency Range (Batt. Mode)	50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz						
Current Crest Ratio	3:1						
Harmonic Distortion	≤ 2 % THD (Linear Load) ; ≤ 5 % THD (Nonlinear Load)						
Transfer Time	AC Mode to Battery Mode	0 ms					
	Inverter to Bypass	0 ms					
Waveform (Batt. Mode)	Pure Sinewave						
Efficiency (AC to AC)	≥ 94%						
BATTERY							
Battery Type	12 V / 9 AH			Depending on applications			
Numbers	16			16/18/20 pcs (Adjustable), ±96, ±108, ± 120V DC			
Typical Recharge Time	6 Hrs recover >90% capacity			6-8 Hrs recover >90% capacity			
Charging Current	1A (Adjustable)			4A (Standard) & 10A (Optional)			
Charging Voltage	218.4 VDC ± 1V			13.65 x N (N = Number of batteries)			
STATUS INDICATION							
LCD Panel	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer and Fault conditions						
Audible Alarm	Battery Mode, Low Battery, Overload, Fault						
PHYSICAL							
Dimension, D x W x H (mm)	440 x 625 x 177 (4U)			440 x 625 x 86.5 (2U)			
Net Weight (kgs)	48			16			18
ENVIRONMENT							
Humidity	0-95 % RH @ 0-50°C (non-condensing)						
Noise Level	Less than 55dB @ 1 Meter						Less than 58dB @ 1 Meter
MANAGEMENT							
Smart RS-232 / USB / IoT	Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8/10, Linux and MAC , IoT enable						
SNMP (Optional)	Power management from SNMP manager and web browser						

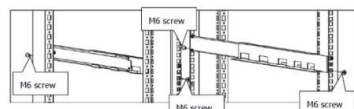
Technical Specifications of Battery Pack

MODEL	BPMP11K20N9
Supported UPS	4k/5k/6K/11kVA
Battery Type	12 V/9 Ah
Battery Number	16/18/20 numbers
Battery Voltage	192/216/240 VDC
Dimension(DxWxH)	440x680x133 [3U]
Net Weight (kgs)	63

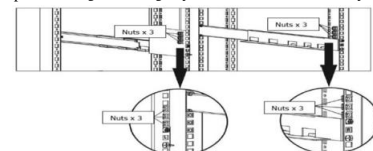


Rail-Kit for Rack Mounting

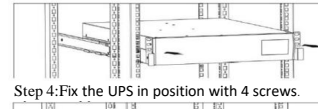
Step 1: Use 4 pieces of M6 screw to mount rail sliders into chassis.



Step 2: According to UPS height, put 6 Pieces of nets on Location proper



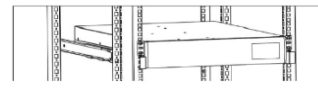
Step 3: Put UPS with assembled ears on the rail support.



Step 4: Fix the UPS in position with 4 screws.



Step 5: Assembly Complete.



Backup Chart (6 & 11kVA)

Load	MP1106B16	MP1106L+1BP	MP1111L16+1BP	MP1106L16+2BP	MP1111L16-E6+2BP
10 Pc	45-50 Minutes			120-130 Minutes	
5 Pc, 1 server***	10-15 Minutes			25-30 Minutes	
10 Pc, 2 server	-	-	upto 5 Minutes	-	10-15 Minutes****
20 Pc, 2 server	-	-	-	-	8-10 Minutes****

Power Is 



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