

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

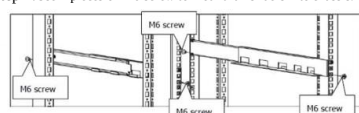
MODEL	BPMP11K20N9
Supported UPS	4k/5k/6K/11kVA
Battery Type	12 V/9 Ah
Battery Number	16/18/20 numbers
Battery Voltage	192/216/240 VDC
Dimension(DxWxH)	440x680x133 [3U]
Net Weight (kgs)	63



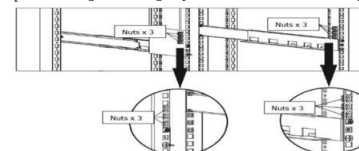
BPMP11K20N9

Rail-Kit for Rack Mounting

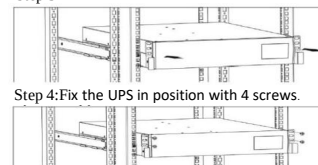
Step 1: Use 4 pieces of M6 screw to mount rail sliders into chassis.



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****

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