

MPI Series

Rack Mount UPS 1~10kVA

Applications:

For all kind of ADP Machines



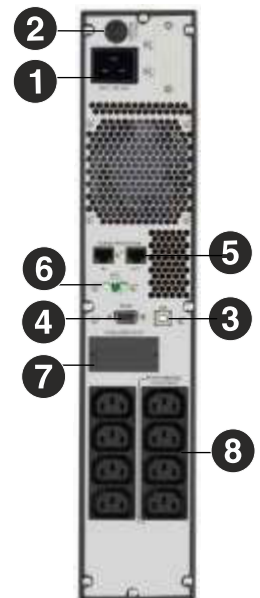
The **MPI series** ranges from 1 to 10kVA Rack mount & Tower design suitable for all types of power problems & protection for ADP machines. This series incorporates highest efficiency in the industry with lowest form factor. A comprehensive LCD display allows users to easily monitor and access their UPS status. Low electromagnetic emissions compliant for sensitive loads.

Features:

- ◆ True online double conversion topology
- ◆ Input power factor correction
- ◆ Output power factor 0.9
- ◆ Wide input voltage range (110-300 VAC)
- ◆ ECO mode for energy saving (available for 1-3kVA models)
- ◆ Generator compatible
- ◆ Adjustable charging current (1A~6A)
- ◆ Emergency power off function (EPO), (available for 6K/10K models)
- ◆ Rack-Tower 2-in-1 design
- ◆ Hot-swappable battery design for 1-6kVA models
- ◆ User friendly LCD Display

Rear Panel:

1. AC Input
2. Input Circuit Breaker
3. USB Communication Port
4. RS-232 Communication Port
5. Network/Fax/Modem Surge Protection (RJ 45)
6. EPO Connector
7. Intelligent Slot
8. IEC Output Sockets



STANDARD MODEL	MPI1101B2	MPI1102B4	MPI1103B6	MPI1106B16	MPI1110B16	
LONG-RUN MODEL	MPI1101L2	MPI1102L4	MPI1103L6	MPI1106L16	MPI1110L16	
PHASE	Single Phase with Ground					
CAPACITY	1000VA / 900W	2000VA / 1800W	3000VA / 2700 W	6000VA / 5400W	10000VA / 9000W	
INPUT						
Nominal Voltage	200/208/220/230/240VAC			208/220/230/240VAC		
Input Voltage Range	120-300 VAC at 50% load 180-300 VAC at 100% load			110-300 VAC ± 3% at 50% Load 176-300 VAC ± 3% at 100% Load		
Frequency Range	40Hz ~ 70 Hz			46Hz ~ 54 Hz or 56Hz ~ 64 Hz		
Power Factor	≥ 0.99 @ Nominal Voltage (100% load)					
OUTPUT						
Output Voltage	200/208/220/230/240VAC			208/220/230/240VAC		
Voltage Regulation	± 1%			± 1%		
Frequency Range (Synchronized Range)	47~ 53 Hz or 57 ~ 63 Hz			46Hz ~ 54 Hz or 56Hz ~ 64 Hz		
Frequency Range (Batt. Mode)	50 Hz ± 0.25 Hz or 60Hz ±0.15 Hz			50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz		
Current Crest Ratio	3:1					
Harmonic Distortion	≤ 3 % THD (Linear Load) ; ≤ 5 % THD (Non-linear Load)					
Transfer Time	AC Mode to Battery Mode	Zero			0 ms	
	Inverter to Bypass	4 ms (Typical)			0 ms	
Waveform (Batt. Mode)	Pure Sinewave					
Efficiency (AC to AC)	≥ 90%			≥ 92%		
BATTERY						
Standard Model	Battery Type	12 V / 9 AH	12 V / 9 AH	12 V / 9 AH	12 V / 7AH	12 V / 9 AH
	Numbers	2	4	6	20	
	Typical Recharge Time	6 Hrs recover >90% capacity				
	Charging Current	1.0 A			1A/2A (Adjustable)	
Long-run Model	Charging Voltage	27.4VDC ± 1V	54.7 VDC ±1V	82.1 VDC ±1V	273 VDC ±1V	
	Battery Type	Depending on the capacity of external batteries				Depending on applications
	Numbers	3	6	6	16 - 20 pcs (Adjustable)	
	Charging Current (max.)	1.0A/2.0A/4.0A/6.0 A				1A/2A/4A/6A (Adjustable)
	Charging Voltage	41.0VDC ±1V	82.1 VDC ±1V	82.1 VDC ±1V	218.4 VDC ± 1V (16 pcs), 273 ± 1V (20 pcs)	
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						
Standard Model	Dimension, D x W x H (mm)	310 x 438 x 88 [2U]	410 x 438 x 88 [2U]	630 x 438 x 88 [2U]	UPS Unit: 530x438x88 [2U] Battery Pack: 605x438x88 [2U]	UPS Unit: 580x438x133[3U] Battery Pack: 605 x438x133 [3U]
	Net Weight (kgs)	12	19	29.3	UPS Unit: 15; Battery Pack: 61	UPS Unit: 18; Battery Pack: 61
Long-run Model*	Dimension, D x W x H (mm)	310 x 438 x 88 [2U]	410 x 438 x 88 [2U]		530 x 438 x 88 [2U]	580 x 438 x 133[3U]
	Net Weight (kgs)	9	12	14.2	15	18
ENVIRONMENT						
Humidity	20-90 % RH @ 0- 40°C (non-condensing)			0-95 % RH @ 0- 40°C (non-condensing)		
Noise Level	Less than 50dB @ 1 Meter			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					
Optional SNMP	Power management from SNMP manager and web browser					

Technical Specifications of Battery Pack

MODEL	BPMP101K6N9	BPMP10203K12N9	BPMP110K16N9	BPMP110K20N9
Supported UPS	1/3kVA	1/2/3kVA	6K/10K	
Battery Type	12 V/9 Ah			
Battery Number	6 numbers	12 numbers	16 pcs	20 pcs
Battery Voltage	36/72VDC	36/48/72VDC	192 VDC	240 VDC
Dimension(DxWxH)	410x438x88 [2U]	630x438x88 [2U]	668x438x88 [2U]	580x438x133 [3U]
Net Weight (kgs)	22	41	48	51



BPMP110K20N9



BPMP101K6N9

* Derate to 80% of capacity in frequency converter mode.

** Product specifications are subject to change without prior notice.

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