

MPI Series

Rack Mount UPS 1~10KVA

Application:

PC, Servers, Networking Equipments, Security Systems, Medical Equipments etc.



1K(L)/2K(L)/3K(L)



6K(L)



10K(L)



Features:

- True double-conversion
- Input power factor correction
- Output power factor 0.9
- Wide input voltage range (110-300 VAC)
- Converter mode available
- ECO mode for energy saving only available for 1-3KVA models
- Generator compatible
- Adjustable charging current via LCD or software (1A~6A) only available for 6K/10K models
- Emergency power off function (EPO) only available for 6K/10K models
- Rack-Tower 2-in-1 for 6Kva and below models
- Hot-swappable battery design for 6Kva and below models

LCD Display



Rear Panel

1. AC input
2. Input circuit breaker
3. USB communication port
4. RS-232 communication port
5. SNMP intelligent slot
6. External battery connection (only available for L model)
7. Output receptacles
8. Input/Output terminal
9. Emergency power off function connector (EPO connector)
10. Output terminal



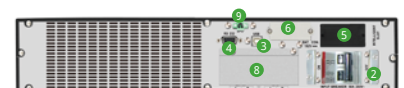
1K(L)



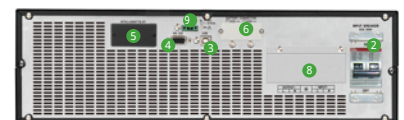
2K(L)



3K(L)



6K(L)



10K(L)

▶ Technical Specifications of MPI Series 1~10KVA

STANDARD MODEL	MPI1101B2	MPI1102B4	MPI1103B6	MPI1106B16	MPI1101B16	
LONG-RUN MODEL	MPI1101L2	MPI1102L4	MPI1103L6	MPI1106L16	MPI1110L16	
PHASE	Single phase with ground					
CAPACITY	1000 VA / 900 W	2000 VA / 1800 W	3000 VA / 2700 W	6000VA / 5400W	10000 VA / 9000 W	
INPUT						
Nominal Voltage	100/110/115/120/127VAC or 200/208/220/230/240VAC			208/220/230/240VAC		
Input Voltage Range	55-145 VAC or 110-300 VAC at 50% load 85-140 VAC or 160-280 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	100/110/115/120/127VAC or 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 ± 0.3 Hz			50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz		
Current Crest Ratio	3:1					
Harmonic Distortion	≤ 3 % THD (Linear Load) ; ≤ 6 % THD (Non-linear Load)			≤ 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 Mode	88%	89%	90%	92%	93%	
Battery Mode	83%	87%	88%	90%	91%	
BATTERY						
Standard Model	Battery Type	12 V / 9 AH	12 V / 9 AH	12 V / 9 AH	12 V / 9 AH	
	Numbers	2	4	6	16	16
	Typical Recharge Time	4 hours recover to 90% capacity			9 hours recover to 90% capacity	
	Charging Current	1.0 A				
	Charging Voltage	27.4VDC ± 1%	54.7 VDC ±1%	82.1 VDC ±1%	218.4VDC ± 1%	218.4VDC ± 1%
Long-run Model	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, 6A is only available for 16pcs batteries)	
	Charging Voltage	41.0VDC ± 1%	82.1 VDC ±1%	82.1 VDC ±1%	218.4 VDC ± 1% (Based on 16pcs batteries)	
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						
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: 668x438x88 [2U]	UPS Unit: 580x438x133[3U] Battery Pack: 580x438x133 [3U]
	Net Weight (kgs)	12	19	29.3	UPS Unit: 15; Battery Pack: 48	UPS Unit: 18; Battery Pack: 51
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	Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8/10, Linux and MAC					
Optional SNMP	Power management from SNMP manager and web browser					

*Long-run model is only available for 200/208/220/230/240VAC systems.

**Derate to 80% of capacity in Frequency converter mode and to 80% when the output voltage is adjusted to 100/200/208VAC.
Product specifications are subject to change without further notice.

▶ Technical Specifications of Battery Pack

MODEL	BPMP101K6N9	BPMP10203K12N9	BPMP10610K16N9
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Supported UPS	1K	2K	3K
Battery Type	12 V/9 Ah	12 V/9 Ah	12 V/9 Ah
Battery Number	2 x 3 strings	2 x 6 strings	2 x 6 strings
Battery Voltage	36 VDC	72 VDC	72 VDC
Dimension(DxWxH)	410 x 438 x 88	630 x 438 x 88	630 x 438 x 88
Net Weight (kgs)	22	41	41

MODEL	BPMP110K16N9	BPMP110K20N9
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Supported UPS	6K/10K	
Battery Type	12 V/9 Ah	12 V/9 Ah
Battery Number	16 pcs	20 pcs
Battery Voltage	192 VDC	240 VDC
Dimension(DxWxH)	668x438x88 [2U]	580x438x133 [3U]
Net Weight (kgs)	48	51

