MP Series

Rack Mount UPS
6kVA~10kVA
1:1 Phase

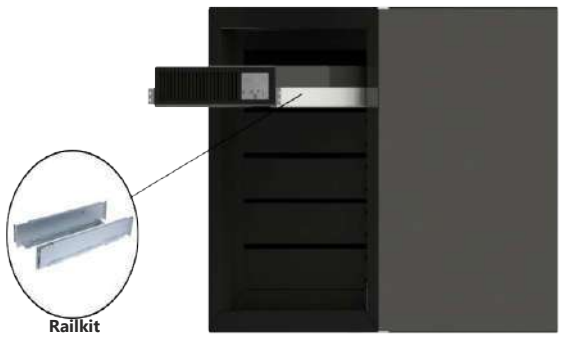
Applications:

For all kind of ADP Machines

Features:

- True Online Double-Conversion Technology (VFI-SS-111)
- DSP Technology Guarantees High Performance
- Pure Sine Wave Output
- 3-Stage Charging for Optimized Battery Performance
- Rack mount/Tower Convertible Design
- Wide Input Voltage Range (100~300V AC)
- Output Power Factor unity (1.0, kVA = kW)
- Supports Frequency Conversion Mode
- ECO mode operation for energy saving
- Emergency power off function (EPO)
- Supports Parallel Expansion up to 4 units
- Support Battery Configuration 16~20 Nos. (Configurable)
- Fan Speed Regulation as per Load
- Automatic Static Bypass Switch
- Inbuilt Cold Start & Soft Start Feature
- Generator Input Compatible

Rail-Kit for Rack Mounting



Rear Panel:

1. Battery Connectors
2. SNMP Card (Optional)
3. Parallel Port
4. RS232
5. USB
6. EPO
7. Terminal Block
8. Fan
9. Input Breaker

6~10kVA Rear Appearance

Technical Specifications of MP Series 6~10kVA

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Model	MP1106B16	MPII1106L16	MPII1110L16
Phase	Single Phase with Groung		
Capacity	6KVA/6KW		10KVA/10KW
Parallel Capability	4		
INPUT			
Nominal Voltage	220/ 230/ 240 V AC (1P+N+PE)		
Voltage Range	100V~300V AC		
Frequency	40~70Hz		
Power Factor	≥ 0.99		
THDi	≤ 3%		
OUTPUT			
Output Voltage	220/ 230/ 240 V AC (1P+N+PE)		
AC Voltage Regulation	± 1%		
F requency Range (Synchronized Range)	50/60Hz ± 1%~10% (Configurable)		
Frequency Range (Batt. Mode)	50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz		
Current Crest Ratio	3:1		
Harmonic Distortion	≤ 1%		
Transfer time	Zero		
Overload	<110% for 60 min, 110%~125% for 10 min, 125%~150% for 1 min, >150% 200 msec		
Efficiency	≥ 95.0% Online Double Conversion ; ≥ 99.0% ECO Mode		
System features			
Alarms / Protections	Short Circuit, Input Under/Over Voltage, Over Temperature, Over Current, Over Load, DC BUS Under / Over Voltage and Battery low		
Indications	Input Voltage/frequency, Output Voltage/frequency, Load Percentage, Battery Voltage, Temperature, Remaining Battery Backup Time, Load VA/W, Load and Battery Barograph		
BATTERY			
Battery Type	12V / 9Ah	SMF VRLA / Lithium Battery Compatible	
Battery Voltage / Numbers	±96V / 16 Nos.	±96V~±120V DC / 16~20 pcs (Adjustable)	
Charging Current	1A/2A (Configurable)	4A (standard) & 10A (optinal)	
Typical Recharge Time	4-6 Hrs recover >90% capacity	6-8 Hrs recover >90% capacity	
PHYSICAL			
Dimension, W x D x H (mm)	443x625x177(4U)	443x625x88 (2U)	
Net Weight (Kgs)	48	16	18
ENVIRONMENT			
Temperature	Operating: 0~50°C* & Storage: -15°C~60°C		
Humidity / Altitude	0~95% RH (Non-condensing) / 1500M		
Noise Level	Less than 50dBA @ 1 Meter		
STANDARDS			
Quality	ISO 9001, ISO 14001, ISO 45001, ISO 27001, ISO 50001, RoHS		
Safety	IEC/EN62040-1		
EMC / Performance	IEC/EN62040-2; IEC/EN62040-3, Complying to CE		
COMMUNICATION INTERFACE			
Standard	Smart RS232, USB, EPO, Parallel Port		
Optional	SNMP / RS485 / Dry Contact / IoT		
Monitoring Software	BPE Cyber / UPSilon 2000 / Muser 2000		

Technical Specifications of Battery Pack

MODEL	BPMPPK16N9	BPMPPK20N9
Supported UPS	6kVA / 10kVA	
Battery Type	12V/9Ah	12V/9Ah
Battery Number	16 numbers	20 numbers
Battery Voltage	±96V DC	±120V DC
Dimension(WxDxH)	443x680x88 [2U]	443x680x133 [3U]
Net Weight (kgs)	62	84

BPMPPK16N9

BPMPPK20N9

*Conditions apply.
Specifications are subject to change without prior notice.

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