

# MPP Series

Rack Mount UPS  
10kVA~20kVA  
3:3 Phase

## Applications:

For all kind of ADP Machines



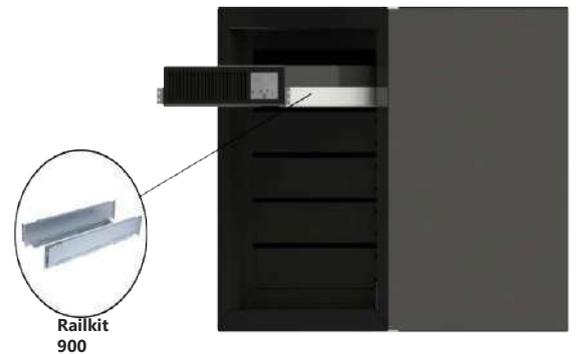
## Features:

- 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
- 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 30~50 Nos. (Configurable)
- Fan Speed Regulation as per Load
- Automatic Static Bypass Switch
- Inbuilt Cold Start & Soft Start Feature
- Configurable 3/3, 3/1 & 1/1 Configuration
- Generator Input Compatible

## Rear Panel:

1. Battery Connectors
2. SNMP Card (Optional)
3. Parallel Port
4. RS232
5. RS485
6. EPO
7. Terminal Block
8. Fan

## Rail-Kit for Rack Mounting



10~20kVA Rear Appearance

Model	MPP3310L30	MPP3315L30	MPP3320L30
Phase	3-phase in / 3-phase out		
Capacity	10KVA/10KW	15KVA/15KW	20KVA/20KW
Parallel Capability	4		
<b>INPUT</b>			
Nominal Voltage	380 / 400 / 415 V AC (3P+N+PE)		
Voltage Range	228V~480V AC		
Frequency	40~70Hz		
Power Factor	≥ 0.99		
THDi	≥ 3%		
<b>OUTPUT</b>			
Output Voltage	380 / 400 / 415 V AC (3P+N+PE)		
AC Voltage Regulation	± 1%		
Frequency 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	96.0% Online Double Conversion ; ≥99.0% ECO Mode		
<b>System features</b>			
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		
<b>BATTERY</b>			
Battery Type	SMF VRLA / Lithium Battery Compatible		
Battery Voltage / Numbers	±180V~±300V DC / 30~50 pcs (Adjustable)		
Charging Current	20A Max. (Configurable)		
<b>PHYSICAL</b>			
Dimension, W x D x H (mm)	443x580x133 (3U)		
Net Weight (Kgs)	29		33
<b>ENVIRONMENT</b>			
Temperature	Operating: 0~50°C* & Storage: -15°C~60°C		
Humidity / Altitude	0~95% RH (Non-condensing) / 1500M		
Noise Level	Less than 55dBA @ 1 Meter		Less than 58dB @ 1 Meter
<b>STANDARDS</b>			
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		
<b>COMMUNICATION INTERFACE</b>			
Standard	Smart RS232, RS485, EPO, Parallel Port		
Optional	SNMP / Dry Contact / IoT		
Monitoring Software	BPE Cyber / Muser 5000		

## Technical Specifications of Battery Pack

MODEL	BPMP130N9	BPMP140N9
Supported UPS	10kVA / 15kVA / 20kVA	
Battery Type	12V/9Ah	12V/9Ah
Battery Number	30 numbers	40 numbers
Battery Voltage	±180V DC	±240V DC
Dimension(WxDxH)	443x800x180 [4U]	443x800x180 [4U]
Net Weight (kgs)	98	124



BPMP130N9 / BPMP140N9

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

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