

MF Series

Rack Mount UPS
1 kVA

Applications:

For all kind of ADP Machines



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

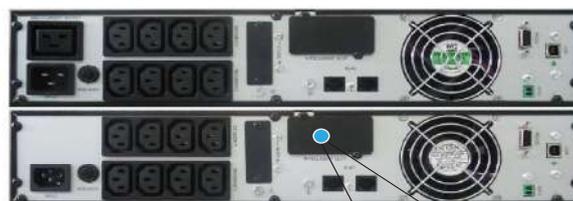
Features:

- ◆ True Online Double-Conversion Technology (VFI-SS-111)
- ◆ DSP Technology Guarantees High Performance
- ◆ Pure Sine Wave Output
- ◆ IGBT Based both Rectifier & Inverter
- ◆ Wide Input Voltage Range (100V~300V AC)
- ◆ Input Power Factor Correction ≥ 0.99
- ◆ 3-Stage Charging for Optimized Battery Performance
- ◆ Rack mount / Tower Convertible Design
- ◆ Output Power Factor unity (1.0, kVA = kW)
- ◆ Hot-swappable Battery Design
- ◆ User Friendly LCD for Monitoring
- ◆ Supports Frequency Conversion Mode
- ◆ ECO mode operation for energy saving
- ◆ Emergency power off function (EPO)
- ◆ Fan Speed Regulation as per Load
- ◆ Automatic Static Bypass Switch
- ◆ Inbuilt Cold Start & Soft Start Feature
- ◆ Auto Restart Function
- ◆ Generator Input Compatible
- ◆ IoT Compatible with wifi/Bluetooth Monitoring

Front Panel:



Rear Panel:



Optional socket

Dry contact card

SNMP



Internal Battery Model		MF1101L3
External Battery Model		MF1101L2
PHASE		Single Phase with Ground
CAPACITY		1000VA / 1000W
INPUT		
Nominal Voltage		208/220/230/240VAC
Input Voltage Range		100-300 VAC at 50% load 160-300 VAC at 100% load
Frequency Range		40Hz ~ 70 Hz
Power Factor		≥ 0.99 @ Nominal Voltage (100% load)
OUTPUT		
Output Voltage		208/220/230/240VAC
Voltage Regulation		± 1%
Frequency Range (Synchronized Range)		47~ 53 Hz or 57 ~ 63 Hz
Frequency Range (Batt. Mode)		50Hz/60Hz ± 0.1 Hz
Current Crest Ratio		3:1
Harmonic Distortion		≤ 1% THD (Linear Load)
Transfer Time	AC Mode to Battery Mode	Zero
	Bypass to Inverter	4 ms (Typical)
Waveform (Batt. Mode)		Pure Sinewave
Efficiency (AC to AC)		92.0% Dual Conversion Mode, 99.0% ECO Mode
BATTERY		
Internal Battery Model	Battery Type	12 V / 9 AH
	Numbers	2
	Typical Recharge Time	4-6 Hrs recover >90% capacity
	Charging Current	1.0 A
External Battery Model	Charging Voltage	27.4VDC ± 1V
	Battery Type	SMF VRLA / Lithium Battery Compatible
	Numbers	3
	Charging Current (max.)	1.0A/2.0A/4.0A/6.0 A
Charging Voltage	41.0VDC ±1V	
STATUS INDICATION		
LCD Panel		UPS status, Load level, Battery level, Input/Output voltage, Discharge timer and Fault conditions
Alarm / Protection		Short Circuit, Input Under/Over Voltage, Over Temperature, Over Current, Over Load, DC BUS Under / Over Voltage and Battery low
PHYSICAL		
Internal Battery Model	Dimension, D x W x H (mm)	440 x 325 x 86.5 [2U]
	Net Weight (kgs)	12
External Battery Model	Dimension, D x W x H (mm)	440 x 325 x 86.5 [2U]
	Net Weight (kgs)	5.6
ENVIRONMENT		
Humidity / Altitude / Temperature		0~95% RH (Non-condensing) / 1500M / Operating: 0~50°C* & Storage: -15°C~60°C
Noise Level		Less than 50dB @ 1 Meter
STANDARDS		
Quality		ISO 90001, ISO 14001, ISO 27001, ISO 45001, ISO 50001, BIS, RoHS
Safety		IEC/EN62040-1; Conformity to IEC / EN
EMC / Performance		IEC/EN62040-2; IEC/EN62040-3, Complying to CE
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	BPMP16N9	BPMP12N9	BPMP18N9
Supported UPS	1kVA/2kVA/3kVA		
Battery Type	12V-7/9Ah		
Battery Number	6 numbers	12 numbers	18 numbers
Battery Voltage	36/72VDC	36/72VDC	36/72VDC
Dimension(DxWxH)	410x438x88 [2U]	630x438x133 [2U]	630x438x133 [3U]
Net Weight (kgs)	22	41	65



BPMP16N9/BPMP12N9



BPMP18N9

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