

MF Pro Series

01 / 02 / 03KVA

1:1 Phase PF: 0.9

MF Pro Series 1KVA~3KVA online UPS is an on-line double-conversion UPS with input power factor correction (PFC), output power factor 0.9 offering high levels of reliability and protection for PC, Servers, Networking Equipments, Security Systems, Medical Equipments etc. Besides sufficient runtime as backup power.

TECHNOLOGY
IGBT²
SAVE ENERGY



Features:

- True Online double conversion technology
- DSP (Digital signal processors) control technology
- Active power factor correction (APFC), input power factor up to 0.99
- Output power factor 0.9
- Wide input voltage range (110V~300Vac) and frequency range (40 ~ 70Hz)
- Quick and stable charging, 90% capacity restored in 3 h (standard model UPS)
- Advanced battery management (ABM), Cold Start
- Multiple functions configure via LCD: output voltage, ECO, auto-start, bypass mode, ECO mode and frequency conversion mode
- IGBT based charger for smart battery management & improve input power factor



Rear Panel

- 1. Over Current Protection
- 2. AC Input
- 3. Modem/Tel/Fax
- 4. DC Input
- 5. Output
- 6. Fan
- 7. RS-232
- 8. USB (Optional)
- 9. EPO (Optional)
- 10. SNMP/AS400 (Optional)

▶ Technical Specifications of MF Pro Series 1~3KVA

MODEL	MFP1101L3	MFP1102L8	MFP1103L8
Capacity (VA)	1000	2000	3000
INPUT			
Rated Voltage / Phase / PF	220V / 230V / 240V AC / Single Ph+N+PE 3 Wire / ≥0.99		
Voltage Range	100V~300V AC Load Dependent		
Frequency Range	50 / 60 Hz ± 20% (Auto Sensing)		
Bypass Voltage Range	- 25% ~ +15% (Configurable)		
OUTPUT			
Voltage / Power Factor	220V / 230V / 240V AC ± 1% / 0.9 Standard		
Frequency	Auto Sensing 50 / 60 Hz ± 1~10% Sync Mode (Configurable), 50/60 Hz ± 0.1 Hz Battery Mode		
Waveform / Crest / Efficiency	Pure Sine-Wave / 3:1 / Up to 94% Dual Conversion Mode, 99% ECO Mode		
Harmonic Distortion (THDv)	<2% (Linear load), <5% (Non Liner Load)		
Transfer Time	Mains Mode to Battery Mode: 0 ms Inverter Mode to Bypass Mode: 4 ms (Typical)		
Overload Capability	125% for 10 Min, 150% for 30 sec, > 150% for 200 ms		
BATTERY			
DC Voltage / Charging Current	36V / 06A Standard 12A Optional	96V / 06A Standard 12A Optional	
Recharge Time	8 Hours (90% of full Capacity)		
SYSTEM FEATURES			
LCD Indication	Input Voltage/Frequency, Battery Voltage, Output Voltage/Frequency, Load Watt/VA and %, Inverter Temperature, Operation Mode such as "On Line", "ON Batt" or On "Bypass", Fault Codes, Battery & Load Bar graph		
LED Indication	Green LED for Normal Operation, Yellow LED for Warning Condition, Red LED for Abnormal Operation, Amber LED for Normal, Battery Mode		
Alarms / Protection	Battery Low, Mains Fail, Overload and Fault		
ENVIRONMENT			
Temperature	Operating : 0°C ~ 45°C, Storage : -25°C ~ 70°C		
Humidity / Altitude	0~95% RH Non-condensing / <1500 M		
Noise	Low Audible Noise Level		
PHYSICAL			
Dimension WxDxH (mm)	144x336x214	191x418x335	
Weight (Kg)	9.5 Kg	11 Kg	
STANDARDS			
Quality	ISO 9000, ISO 14001, OHSAS 18001, ISO 27001, BIS, RoHS		
Safety	IEC/EN62040-1		
EMC / Performance	IEC/EN62040-2; IEC/EN62040-3, Complying to CE		
COMMUNICATION INTERFACE			
Standard	RS-232		
Optional	SNMP / ModBus / Dry Contact / USB / RS-485		
Monitoring Software	NetAgent Utility v5.8 / View Power / UPSilon 2000 / Muser 4000		

*Specifications are subject to change without prior notice.

