

MF Series

1~3KVA

Application:

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



Control Panel
up to 50 Items Set by LCD



Features:

- True Online, Double Conversion, PWM Technology.
- Fully Digitized Microprocessor Control, High Frequency, Pure Sine Wave Output.
- LCD Display and Wide Input Voltage Range
- High Input Power Factor >0.99
- Static Bypass and Cold Start
- IGBT Based - Inverter & Rectifier
- Isolation Transformer Compatible
- Advanced Battery Management
- Automatic Battery Charge in UPS Off Mode
- EMI/RFI and Noise Filter
- Generator and Solar Compatible
- High Reliability Digital Control
- Auto-start Function
- ECO Mode

Rear Panel

1. RS232
2. Intelligent Slot / SNMP(Optional)
3. External Battery(Optional)
4. Fan
5. Output Sockets
6. Power Breaker
7. Input
8. Output Terminal Block
9. EPO(Optional)



▶ Technical Specifications of MF Series 1~3KVA

MODEL	MF1101L3	MF1101B3	MF1102L6	MF1102L8	MF1102B8	MF1103L6	MF1103L8	MF1103B8
Capacity (VA)	1000		2000			3000		
INPUT								
Nominal Voltage	220V/230V/240V AC (1Ph+N+PE, 3 Wire)							
Operating Voltage Range	110V~300V AC Load Dependent							
Operating Frequency Range	50 / 60 Hz \pm 10% (Auto Sensing)							
Power Factor	>0.99							
OUTPUT								
Output Voltage/Power Factor	220V / 230V / 240V AC / \pm 1% / 0.8 Std., 0.9 Optional							
Output Frequency	Auto Sensing 50 / 60 Hz \pm 1~10% Sync Mode (Configurable), 50/60 Hz \pm 0.1 Hz Battery Mode							
Harmonic Distortion (THDv)	<2% (Linear load), <5% (Non Liner Load)							
Crest Factor	3:1							
Efficiency	Up to 94% Dual Conversion Mode, 99% ECO Mode							
BATTERY								
DC Voltage	36V		72V	96V		72V	96V	
Battery Type & Number	12V/7AH x 03			12V/7AH x 08			12V/7AH x 08	
Backup Time (50% Load)	12 Min.			19 Min.			16 Min.	
Backup Time (Full Load)	05 Min.			08 Min.			05 Min.	
Charge Current	6 A	1 A	6 A	6 A	1 A	6 A	6 A	1 A
Typical Recharge Time	8 Hours (90% of full capacity)							
SYSTEM FEATURES								
LCD Indication	Input Voltage/Frequency, Output Voltage/Frequency, Battery Voltage, 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	Normal Operation, Bypass, Abnormal, Fault and Battery Mode							
Alarms / Protection	Batt. Low, DC High, Inverter Under/Over Voltage, UPS Over Load, Short Circuit, Fan Failure and UPS Fault.							
Overload Capability	\leq 125% for 10 min, >125-150% for 1 min, >150% for 200 ms							
Transfer Time	AC to Battery : 0ms, Inverter to Bypass : 4ms (Typical)							
ENVIRONMENTAL								
Temperature	Operating: 0~45°C, Storage: -10°C ~ 55°C							
Humidity / Altitude	0~95% RH Non-condensing / <1500 M							
Noise	Low Audible Noise Level							
PHYSICAL								
Dimension WxDxH (mm)	144x400x215			192x469x399				
Weight (Kg)	5.6	11.2	10.8	11.2	26.7	10.8	11.2	26.7
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.

