

MF Series

1~10kVA

1:1 Phase

PF: 0.8

Applications:

For all kind of ADP Machines



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.
- ♦ CVCF (Constant Voltage Constant Frequency)
- ♦ LC 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)
10. Maintenance Switch
11. Parallel Slot
12. Terminal Block (Input, Output & Battery)



MODEL	MF1101L3	MF1102L4	MF1102L6	MF1102L8	MF1103L6	MF1103L8	MF1105L16	MF1106L16	MF1110L16	
Capacity	1 kVA	2 kVA			3 kVA		5 kVA	6 kVA	10 kVA	
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 ± 10% (Auto Sensing)									
Power Factor	>0.99									
OUTPUT										
Output Voltage/Power Factor	220V / 230V / 240V AC / ±1% / 0.8 Std., 0.9 Optional									
Output Frequency	Auto Sensing 50 / 60 Hz ± 1~10% Sync Mode (Configurable), 50/60 Hz ± 0.1 Hz Battery Mode									
Harmonic Distortion (THDv)	≤1%									
Crest Factor	3:1									
Efficiency	94.0% Dual Conversion Mode, 99% ECO Mode									
BATTERY										
DC Voltage	36V	48V	72V	96V	72V	96V	192-240V Configurable			
Charge Current	6.5 A Configurable									
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	≤ 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: 0~50°C*, Storage: -10°C ~ 55°C									
Humidity / Altitude	0~95% RH Non-condensing / <1500 M									
Noise	≤ 55dBA									
PHYSICAL										
Dimension WxDxH (mm)	144x400x215	192x469x399					220x481x438			
Weight (Kg)	5.6	10.7	10.8	11.2	10.8	11.2	17	18	20	
STANDARDS										
Quality	ISO 9001, ISO 14001, ISO 27001, ISO 45001, ISO 50001, 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 / UPSilon 2000									

*Conditions apply.

Specifications are subject to change without prior notice.

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