

MF Series

6 kVA

1:1 Phase

PF: 0.8

Applications:

For all kind of ADP Machines.



Features:

- ♦ True Online, Double Conversion, PWM Technology.
- ♦ Fully Digitized Microprocessor Control, High Frequency, Pure Sine Wave Output.
- ♦ CVCF (Constant Voltage Constant Frequency)
- ♦ LCD Display and Wide Input Voltage Range
- ♦ High Input Power Factor >0.99
- ♦ Static Bypass and Cold Start
- ♦ IGBT Based - Inverter & Rectifier
- ♦ In-built Isolation Transformer
- ♦ 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



MODEL	MF1106L16
Capacity	6 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 \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)	\leq 1%
Crest Factor	3:1
Efficiency	94.0% Dual Conversion Mode, 99.0% ECO Mode
BATTERY	
DC Voltage	192-240V Configurable
Charge Current	6.5 A Configurable
Typical Recharge Time	4-5 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: 0~50°C*, Storage: -15°C ~ 60°C
Humidity / Altitude	0~95% RH Non-condensing / <1500 M
Noise	<55dBA
PHYSICAL	
Dimension WxDxH (mm)	220x481x610
Weight (Kg)	21.5
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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