

# MFX Series

1~10kVA

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	MFx1101L3	MFx1102L4	MFx1102L6	MFx1102L8	MFx1103L6	MFx1103L8	MFx1105L16	MFx1106L16	MFx1110L16
Capacity	1 kVA	2 kVA			3 kVA		5 kVA	6 kVA	10 kVA
<b>INPUT</b>									
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								
<b>OUTPUT</b>									
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, 99.0% ECO Mode								
<b>BATTERY</b>									
DC Voltage	36V	48V	72V	96V	72V	96V	192-240V Configurable		
Charge Current	6.5 A Configurable								
Typical Recharge Time	4-5 Hours (90% of full capacity)								
<b>SYSTEM FEATURES</b>									
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)								
<b>ENVIRONMENTAL</b>									
Temperature	Operating: 0~50°C*, Storage: -15°C ~ 60°C								
Humidity / Altitude	0~95% RH Non-condensing / <1500 M								
Noise	<55dBA								
<b>PHYSICAL</b>									
Dimension WxDxH (mm)	144x400x350	145x385x360	285x455x600				220x481x610		
Weight (Kg)	7.4	12.7	12.8	13.7	12.8	13.7	20.8	21.5	24.5
<b>STANDARDS</b>									
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								
<b>COMMUNICATION INTERFACE</b>									
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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