MFX Series

1~10kVA

1:1 Phase

PF: 0.8

Applications:

For all kind of ADP Machines.

TECHNOLOGY IGBT² SAVE ENERGY

ISOLATION TRANSFORMER advantage of NOISE REJECTION

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

RoHS CE ISO 9001 ISO 14001 BSAS 18001 ISO 27001

MODEL	MFX1101L3	MFX1102L4	MFX1102L6	MFX1102L8	MFX1103L6	MFX1103L8	MFX1105L16	MFX1106L16	MFX1110L16
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, 99.0% ECO Mode								
BATTERY									
DC Voltage	36V	48V	72V	96V	72V	96V	192-220V 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	≤ 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-condersing / <1500 M								
Noise	<55dBA								
PHYSICAL									
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
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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