

Online UPS 1Phase Out

MF Series

05 / 06 / 10 / 20 / 30KVA

1:1 Phase PF: 0.9

Application:

Server and Others Networking Equipments



Control Panel

Features:

- True Online Double Conversion with DSP Controlled Pure Wave Sine Wave with PWM technology
- IGBT, Both Inverter & Rectifier
- Input Current Harmonic: <5%
- Optimization Battery Group, The Quantity of Battery: 16/18/20 Pises
- High Input Power Factor 0.99
- High Output Power Factor 0.9
- Wide Input Voltage Range: 120~280V AC
- Wide Input Frequency Range (50Hz: 45~55Hz/60Hz: 54~66Hz)
- Generator Compatibility
- Support Economic Operation (ECO) Mode
- Self-Testing while UPS Startup
- Optional Parallel upto 4 units
- Static Bypass, Manual Bypass and Cold Start
- Auto Start and cold start function
- Isolation Transformer Compatible

Rear Panel

1. Fan
2. Input Switch
3. Output Switch
4. Maintenance Switch
5. Terminal
6. Com Port
7. USB Port
8. Parallel Port
9. EPO
10. Intelligent Slot / SNMP(Optional)



▶ Technical Specifications of MF Series 5~30KVA

MODEL	MF1105L16	MF1106L16	MF1106B16	MF1110L16	MF1110B16	MF3110L16	MF3120L16	MF3130L16
Capacity (KVA)	05	06		10			20	30
INPUT								
Nominal Voltage	220V / 230V / 240V AC (L+N+PE)					380V/400V/415V AC(3Ph+N+PE)		
Operating Voltage Range	100V~300V AC Load Dependent					277V~480V AC Load Dependent		
Operating Frequency Range	50 / 60 Hz \pm 10% (Auto Sensing)							
Power Factor	\geq 0.99							
Bypass	Voltage	\pm 20% (Configurable)						
	Frequency	\pm 10% (Configurable)						
ECO Range	Same as the Bypass, can be configured							
Generator Input	Competible							
OUTPUT								
Rated Voltage	220V / 230V / 240V AC L+N+PE (Configurable)							
Power Factor	0.8 (Standard) 0.9 (Optional)							
Voltage Regulation	\pm 1%							
Frequency	Auto Sensing 50 / 60 Hz \pm 1~10% Sync Mode (Configurable), 50/60 Hz \pm 0.01% Hz Battery Mode							
Crest Factor	3:1							
Overload	\leq 110% for 15Mins, \leq 125% for 10 Mins, \leq 150% for 60 Sec, \geq 150% for 200ms							
Harmonic Distortion (THDv)	\leq 2% with Linear Load, \leq 5% with Non Linear Load							
Efficiency	AC-AC Mode: \geq 90% , DC-AC Mode: \geq 95%, ECO Mode: 99%							
BATTERY								
Battery Voltage	192V DC / 216V & 240V DC (Configurable)							
Typical Recharge Time	6~8 Hours to 90% of full Capacity							
Charge Current	6A				10A			
SYSTEM FEATURES								
IP Protection	IP 20							
Transfer Time	Zero							
EPO / ECO / CVCF/Slew Rate	Shutdown UPS Immediately / ECO and CVCF Mode can be Configurable ; Slew rate: 1Hz/Sec							
Alarm / Protection	Short Circuit, Input Under/Over Voltage, Over Temperature, Over Current, Over Load, DC BUS Under / Over Voltage and Battery low, Inv Over/Under Voltage, Surge Protection							
LED Display	Line Mode, Backup Mode, ECO Mode, Bypass Mode, Battery Low, Battery Bad, Overload & UPS Fault							
LCD Display	Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load Percentage, Battery Voltage, Temperature & Remaining Battery Backup Time, Load VA/W, Load and Battery Barograph							
ENVIRONMENTAL								
Temperature	Operating: 0~45°C, Storage: -10°C ~ 55°C							
Humidity / Altitude	0~95% RH Non-condensing / <1500 M							
Noise	< 55dB @ 1meter distance					< 60dB @ 1meter distance		
PHYSICAL								
Dimension WxDxH (mm)	220x481x438		250x500x650	220x481x438	250x500x650	250x502x616		
Net Weight (Kg)	17	18	65	20	70	35	37	40
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.

