

MODEL	MFP3110L16	MFP3120L16
Capacity	10 kVA	20 kVA
INPUT		
Nominal Voltage	380V / 400V / 415V AC (3P+N+PE)	
Operating Voltage Range	190V~499V AC Load Dependant	
Operating Frequency Range	50 / 60 Hz ± 10% (Auto Sensing)	
Power Factor	≥0.99	
Bypass	Voltage	- 40% ~ +15% (Configurable)
	Frequency	± 5% (Configurable)
ECO Range	Same as the Bypass, can be configured	
Generator Input	Compatible	
OUTPUT		
Rated Voltage	220V / 230V / 240V AC L+N+PE (Configurable)	
Power Factor	0.8 (Standard) 0.9 / 1.0 (Optional)	
Voltage Regulation	±1%	
Frequency	Auto Sensing 50 / 60 Hz ± 1~10% Sync Mode (Configurable), 50/60 Hz ± 0.5 Hz Battery Mode	
Crest Factor	3:1	
Overload	≤105% for Continuous, ≤ 125% for 10 Min, ≤ 150% for 60 Sec, ≥ 150% for 200ms	
Harmonic Distortion (THDv)	≤2% with Linear Load, ≤5% with Non Linear Load	
Efficiency	Up to 94% Dual Conversion Mode, 99% ECO Mode	
BATTERY		
Battery Voltage	192V DC / 216V & 240V DC (Configurable)	
Typical Recharge Time	6~8 Hours to 90% of full Capacity	
Charge Current	10A Configurable (optional)	
SYSTEM FEATURES		
IP Protection	IP 20	
Transfer Time	Zero	
EPO / ECO / CVCF	Shutdown UPS Immediately / ECO and CVCF Mode can be Configurable	
Alarm / Protection	Short Circuit, Input Under/Over Voltage, Over Temperature, Over Current, Over Load, DC BUS Under / Over Voltage and Battery low	
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, Frequency, Current; Load Percentage, Battery Voltage, Charging/Discharging/Current Temperature & Remaining Battery Backup Time, Load VA/W, Load and Battery Barograph	
ENVIRONMENTAL		
Temperature	Operating: 0~45°C, Storage: -20°C ~ 55°C	
Humidity / Altitude	0~95% RH Non-condensing / <1500 M	
Noise	<65dB at 1meter distance	
PHYSICAL		
Dimension WxDxH (mm)	191 x 495 x 350	191 x 495 x 515; Customized as optional
Net Weight (Kg)	18.5	26.5
STANDARDS		
Quality	ISO 90001, ISO 14001, OHSAS 18001, ISO 27001 ISO 50001, BIS, RoHS, FCC	
Safety	IEC/EN62040-1; Conformity to IEC / EN	
EMC / Performance	IEC/EN62040-2; IEC/EN62040-3, Complying to CE, Compliance to UL	
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.