

MFP Series

10~20kVA

Applications:

For all kind of ADP Machines

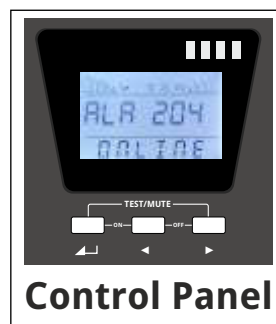


Features:

- True Online Double Conversion with DSP Controlled Pure Sine Wave Design
- IGBT based both Inverter & Rectifier
- Input Current Harmonic: $\leq 1\%$
- Optimization Battery Group, The Quantity of Battery: 16/18/20 Nos.
- High Input Power Factor 0.99
- High Output Power Factor 1.0
- Wide Input Voltage Range: 208~480V AC
- Wide Input Frequency Range (50Hz: 45~55Hz / 60Hz: 54~66Hz)
- Generator Compatibility & Phase Reversal Protection
- Support Economic Operation (ECO) Mode
- Self-Testing while UPS Startup
- Optional Parallel up to 4 units
- Static Bypass and Cold Start
- Auto Start and cold start function

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)



Control Panel



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 Continuos, ≤ 125% for 10 Min, ≤ 150% for 60 Sec, ≥ 150% for 200ms	
Harmonic Distortion (THDv)		≤ 1%	
Efficiency		94.0% Dual Conversion Mode, 99.0% ECO Mode	
BATTERY			
Battery Voltage		192V DC / 216V & 240V DC (Configurable)	
Typical Recharge Time		4-5 Hours to 90% of full Capacity	
Charge Current		10A Configurable (optional)	
SYSTEM FEATURES			
IP Protection		IP20	
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, 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: 0~50°C*, Storage: -15°C ~ 60°C	
Humidity / Altitude		0~95% RH Non-condersing / <1500 M	
Noise		<50dBA	
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, ISO 27001, ISO 45001, 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	

*Conditions apply.

Specifications are subject to change without prior notice.

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