

MFP Series

5~6kVA

1:1 Phase

PF: 1.0

Applications:

For all kind of ADP Machines



Features:

- True Online Double Conversion with DSP Controlled Sine Wave
- IGBT, Both Inverter & Rectifier
- 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: 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 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)



MODEL		MFP1105L16	MFP1106L16
Capacity (kVA / kW)		05 / 05	06 / 06
INPUT			
Nominal Voltage		220V / 230V / 240V AC (L+N+PE)	
Operating Voltage Range		110V~300V AC Load Dependent	
Operating Frequency Range		50 / 60 Hz ± 10% (Auto Sensing)	
Power Factor		□0.99	
Bypass	Voltage	± 20% (Configurable)	
	Frequency	± 10% (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 ± 0.1 Hz Battery Mode	
Crest Factor		3:1	
Overload		≤ 125% for 10 Min, ≤ 150% for 30 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		6A	
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, 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 Bargraph	
INVIRONMENTAL			
Temperature		Operating: 0~50°C*, Storage: -15°C ~ 60°C	
Humidity / Altitude		0~95% RH Non-condensing / <1500 M	
Noise		≤ 45dBA	
PHYSICAL			
Dimension WxDxH (mm)		192x465x345	
Net Weight (Kg)		12 (L), 58 (B)	
STANDARDS			
Quality		ISO 9000, 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 / View Power / UPSilon 2000 / Muser 4000	

*Conditions apply.

Specifications are subject to change without prior notice.

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