

MFPX Series

10~20kVA

PF : 1.0

Applications:

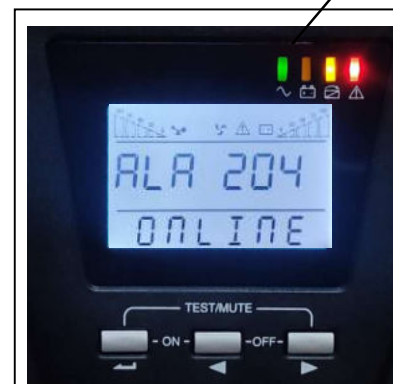
For all kind of ADP Machines



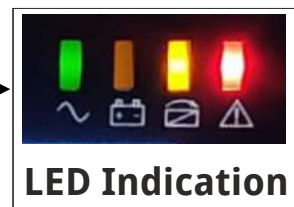
Features:

- True Online Double Conversion Topology
- 3-Level IGBT Rectifier & Inverter
- Wide Input Voltage Range: 190~499V AC
- Wide Input Frequency Range (45-65Hz)
- Low Harmonic Distortion ($\leq 3\%$)
- High Input Power Factor (≥ 0.99)
- Parallel upto 4 unit
- High Output Power Factor (kVA=kW)
- Static Bypass and Cold Start
- Inbuilt Transformer
- IOT Compatible

Control Panel



Control Panel



Front Panel

1. Display Panel
2. LED Indicators
3. Control Buttons
4. UPS Front Bazzel
5. Isolation Transformer Bazzel
6. Air Vents for UPS
7. Air Vents for Transformer



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)



• Digital Control System

All of the control functions for MFPX Series including power-on, start-up control, input stage power factor control, battery charging and boosting control, output stage AC voltage regulation and shut-down control, can be realized by using a single DSP control board.

• High output Power Factor

High Output Power Factor provides more active power than a traditional UPS. Suitable for modern power supply application with unity or capacity power factor (e.g. new servers generation) without any reduction in active power.

• Flexibility

Flexibility achieved through many choices, including type of battery, single or multi-unit configuration, accessories and options.

- Compatible with Li-ion Battery
- Battery flexibility : 16/18/20 Nos.
- Can be paralleled up to 4 Units

Save your CapEx and minimize OpEx by choosing MFPX Series UPS

- ▶ Scale the system for capacity enhancement or redundancy
- ▶ Inflexible power performance while delivering high online efficiency
- ▶ Compact footprint helps to choose smaller room size
- ▶ Low itld levels help in choosing smaller DG set



MODEL		MFPX3110L16	MFPX3120L16
Capacity (KVA / KW)		10 / 10	20 / 20
INPUT			
Nominal Voltage		380V / 400V / 415V AC (3P+N+PE)	
Operating Voltage Range		190V~499V AC Load Dependent	
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		1.0	
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		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)	
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, Output Frequency, Load Percentage, Battery Voltage, Temperature & Remaining Battery Backup Time, Load VA/W, Load and Battery Barograph	
ENVIRONMENTAL			
Temperature		Operating: 0~50°C*, Storage: -10°C ~ 55°C	
Humidity / Altitude		0~95% RH Non-condersing / <1500 M	
Noise		<65 dB at 1 Meter Distance	
PHYSICAL			
Dimension WxDxH (mm)		192x540x780	192x540x917
Net Weight (Kg)		41.2	55.5
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	

*Conditions apply.

Specifications are subject to change without prior notice.

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