

MFPX Series

5~10kVA

PF : 1.0

Applications:

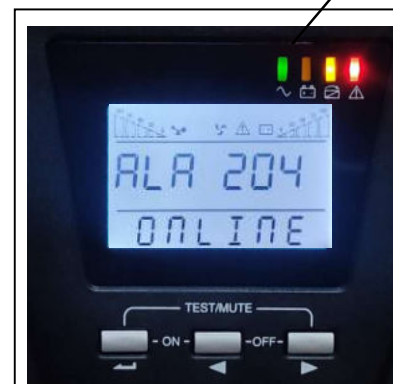
For all kind of ADP Machines



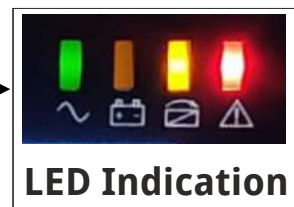
Features:

- True Online Double Conversion Topology
- 3-Level IGBT Rectifier & Inverter
- Wide Input Voltage Range: 120~280V AC
- Wide Input Frequency Range (45-65Hz)
- Low Harmonic Distortion ($\leq 1\%$)
- 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 | | MFPX1105L16 | MFPX1106L16 | MFPX1110L16 |
|----------------------------|-----------|--|-------------|-------------|
| Capacity (KVA / KW) | | 05 / 05 | 06 / 06 | 10 / 10 |
| 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 | | 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 | | 6A | 10A | |
| 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) | | 192x465x750 | 192x540x750 | |
| Net Weight (Kg) | | 33.5 | 41.2 | |
| 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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