

MFII Series

10kVA

Applications:

For all kind of ADP Machines



Features:

- ♦ DSP Controlled True Online Double Conversion
- ♦ IGBT based both Inverter & Rectifier Technology
- ♦ Pure Sine Wave Output
- ♦ Input Current Harmonic $\leq 3\%$
- ♦ Optimization Battery Group (16/18/20 configurable)
- ♦ High Input Power Factor 0.99
- ♦ High Output Power Factor 1.0 (kVA = kW)
- ♦ Wide Input Voltage Range: 100V-300V AC
- ♦ Wide Input Frequency Range
- ♦ Support Economic Operation (ECO) Mode
- ♦ Self-Testing while UPS Startup
- ♦ Optional Parallel up to 4 units
- ♦ Support Common Battery Bank Operation
- ♦ In-built Static Bypass and Cold Start feature
- ♦ Auto Start and cold start function
- ♦ Generator Compatibility

MODEL		MFII1110B16	MFII1110L16
Capacity		10 kVA	10 kVA
INPUT			
Nominal Voltage		220V / 230V / 240V AC (L+N+PE)	
Operating Voltage Range		100V~300V 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 ± 0.5 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		Inbuilt 16 Nos. of 12V/9Ah	192V DC / 216V / 240V DC (Configurable)
Typical Recharge Time		4-5 Hours to 90% of full Capacity	
Charge Current		10A (Configurable)	
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		<55dBA	
PHYSICAL			
Dimension WxDxH (mm)		192 x 460 x 655	192 x 460 x 350
Net Weight (Kg)		94	33
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 / SMS Alert Card	
Monitoring Software		BPE Cyber/ UPSilon 2000 / Muser 4000	

*Conditions apply.

Specifications are subject to change without prior notice.

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POWER IS ON[®]

