

MFII Series

10kVA

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: $\leq 3\%$
- ♦ 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
- ♦ Support 3/1 & 1/1 Operation



MODEL		MFII3110L16
Capacity		10 kVA
INPUT		
Nominal Voltage		380V / 400V / 415V AC (3P+N+PE)
Operating Voltage Range		208V~480V AC Load Dependant
Operating Frequency Range		50 / 60 Hz $\pm$ 10% (Auto Sensing)
Power Factor		≥ 0.99
Bypass	Voltage	- 40% ~ +15% (Configurable)
	Frequency	$\pm$ 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		$\pm 1\%$
Frequency		Auto Sensing 50 / 60 Hz $\pm 1 \sim 10\%$ Sync Mode (Configurable), 50/60 Hz ± 0.5 Hz Battery Mode
Crest Factor		3:1
Overload		$\leq 105\%$ for Continuous, $\leq 125\%$ for 10 Min, $\leq 150\%$ for 60 Sec, $\geq 150\%$ for 200ms
Harmonic Distortion (THDv)		$\leq 1\%$
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		14A
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-condensing / <1500 M
Noise		<55dBA
PHYSICAL		
Dimension WxDxH (mm)		250 x 580 x 655
Net Weight (Kg)		37
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		NetAgent Utility v5.8 / View Power / UPSilon 2000 / Muser 4000

*Conditions apply.

Specifications are subject to change without prior notice.

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POWER IS ON⁷

