

MFXII Series

10~20kVA

Applications:

For all kind of ADP Machines



Features:

- ♦ True Online Double Conversion with DSP Controlled Pure Sine Wave Design
- ♦ IGBT based both Inverter & Rectifier
- ♦ Optimization Battery Group
- ♦ 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, Auto Start and Cold Start
- ♦ Support 3/1 & 1/1 Operation
- ♦ Inbuilt Transformer



MODEL		MFXII3110L16	MFXII3115L16	MFXII3120L16
Capacity		10 kVA	15 kVA	20 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 ± 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		192~240V DC (Configurable)		Standard: 192~240V DC (Configurable) Optional: 384~480V DC (Configurable)
Typical Recharge Time		4-5 Hours to 90% of full Capacity		
Charge Current		10A		
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	<58dBA	
PHYSICAL				
Dimension WxDxH (mm)		250 x 620 x 1010		
Net Weight (Kg)		44	51	56
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		
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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