

MFII Series

6-11 kVA

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: 110~300V AC
- ♦ Wide Input Frequency Range (50/60 Hz $\pm 10\%$)
- ♦ Generator Compatibility
- ♦ Support Economic Operation (ECO) Mode
- ♦ Self-Testing while UPS Startup
- ♦ Optional Parallel up to 4 units
- ♦ Static Bypass and Cold Start



MODEL	MFII1106L16	MFII1110L16	MFII1111L16-E6
Capacity	6 kVA	10 kVA	11 kVA
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	- 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 Continuous, ≤ 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	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)	33		36
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 ON

