

MFII Series

10~30kVA

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 (50 / 60Hz $\pm 10\%$)
- ♦ 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	MFII3115L16	MFII3120L16	MFII3130L16
Capacity	10 kVA	15 kVA	20 kVA	30 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 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	16A	18A	20A
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	<58dBA		
PHYSICAL				
Dimension WxDxH (mm)	250 x 580 x 655			
Net Weight (Kg)	33	37	38	41
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.

Best Power Equipments India Pvt. Ltd.

Corporate Office: G-240, Sector-63, Distt. Gautam Buddh Nagar, Noida-201307 UP
 Registered Office: 812A, Shakuntala Building, 59, Nehru Place, New Delhi-110019
 PH: +91 120 4637000-0029 | Mobile: +91 9311995859 | Email: crm@bpee.co.in
 support@bpeindia.com | Toll Free: 1800 103 1247 | Website: www.bpee.com

POWER IS ON

