

# MFII Series

6-10kVA

## 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: 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
Capacity	6 kVA	10 kVA
<b>INPUT</b>		
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	
<b>OUTPUT</b>		
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	
<b>BATTERY</b>		
Battery Voltage	192V DC / 216V & 240V DC (Configurable)	
Typical Recharge Time	4-5 Hours to 90% of full Capacity	
Charge Current	14A	
<b>SYSTEM FEATURES</b>		
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	
<b>ENVIRONMENTAL</b>		
Temperature	Operating: 0~50°C*, Storage: -15°C ~ 60°C	
Humidity / Altitude	0~95% RH Non-condensing / <1500 M	
Noise	<55dBA	
<b>PHYSICAL</b>		
Dimension WxDxH (mm)	250 x 580 x 655	
Net Weight (Kg)	33	36
<b>STANDARDS</b>		
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	
<b>COMMUNICATION INTERFACE</b>		
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.

## Best Power Equipments India Pvt. Ltd.

Corporate Office: G-240, Sector-63, Distt. Gautam Buddha 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

