



An ISO 9001 - 2008 Company

MF UPS

(5-30 KVA)

IGBT BASED INVERTOR & RECTIFIER

High Switching Frequency for maximum system efficiency, Minimum Harmonics, Fast Transient Response and increased batter life.



FEATURES

On-line ups IGBT based Inverter & Rectifier both Stage

- Fully digitalized microprocessor control.
- Wide input voltage range
- Highly Efficient upto 90%
- High input power factor > 0.95
- LCD display
- Cold start
- Advanced battery management
- Automatic battery charge in UPS OFF mode
- Short circuit & overload protection.
- EMI/RFI noise filter.
- Smart RS232 communications with monitoring software
- Optional SNMP Card slot.
- High reliability digital control
- Full protection function



Technical Specifications

5-30 KVA

Make & MODEL	ABP, MF
INPUT	
Operating voltage range	110~300Vac
Operating frequency range	46~54Hz±0.5Hz or 56~64Hz±0.5Hz (auto sensing)
Power factor	>0.99
OUTPUT	
Output voltage	220/230Vac±1%
Output frequency	Synchronized with the utility on AC mode; 50Hz/60Hz±0.2% on Battery mode
Output voltage THD	<2% (linear load), <5% (Non Linear Load)
Crest Factor	3:1(max)
Efficiency	>88%
BATTERY	
SMF Battery 12V-26 ah x 20 no.	
DC Voltage	240Vdc
Battery type & Number	12V/7Ahx3 Nos
Charge Current	1A
Typical recharge time	8 Hours(to 90% of full capacity)
SYSTEM FEATURES	
LCD indication	1. Input voltage/frequency, battery voltage, output voltage/frequency, load watt/VA and percent, inverter temperature 2. Operation mode such as "on line", "on batt", or "or bypass"
LED indication	1. Green LED in mains mode 2. Yellow LED for warning by Pass Mode 3. Red LED for abnormal operation 4. Amber LED for normal battery mode
Overload capability	1. >110%, 30s turn to bypass mode; 2. >150%, 30sec turn to bypass mode
Transfer time	Between AC Mode and Battery Mode : Oms Between AC Mode and Bypass Mode : 4ms (typical value 2.5ms)
Communication interface	RS232 ; SNMP (optional)
ENVIRONMENTAL	
Operating temperature	0~40°C
Storage Temperature	-25~55 °C
Humidity range	0%~95% (non-condensing)
Altitude	<1500m
Noise Level	<45dB

* Specification are subjected to change without prior notice.

ABP **ABP POWER SOLUTIONS PVT. LTD.**
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