

MASTER SERIES

3:1 Phase On-Line UPS

10KVA-25KVA, PF: 0.8



The Master Series transformer based on-line Double Conversion UPS's are best known for their durability and performance. When sized correctly, these units are able to drive motors, air conditioners, copiers and large networks as well as provide the ultimate protection against surges, dips, blackouts and lightning. With a lifespan of over 15 years, see this as an investment for your company.

FEATURES

- Three phase in, one phase out
- True on-line double conversion design providing full power protection
- IGBT inverter design
- Wide input voltage window
- Pure sine wave output with less than 3% THD
- Expandable backup run time
- Generator compatible
- Cold start
- Load/Battery power meter display
- Overload, on-line, battery status
- LED/LCD display
- Advanced Battery Management
- Automatically charging in UPS off mode
- Smart RS-232 communication
- Optional SNMP card

APPLICATION

Mission Critical Processes, Computer Rooms, Networking Equipment



Telephone Systems



Computer



Servers



Camera Surveillance



Point of Sale



Gates



Industrial

PANELS

- 1 LCD
- 2 Output indicator
- 3 Fault indicator
- 4 Battery energy indicator
- 5 Overload indicator
- 6 Bypass indicator
- 7 On switch
- 8 Off switch
- 9 Display switch button
- 10 Input indicator



LCD Functions

Output voltage
Output load
Battery voltage
Output frequency

SPECIFICATIONS

Model	M10	M15	M20	M25
Capacity	10KVA/8KW	15KVA/12KW	20KVA/16KW	25KVA/20KW
Input				
Phase	3 phase & Ground			
Voltage Range	400 or 415V ± 20%			
Frequency	50Hz ± 5%			
Max. Input Current	16A/phase	24A/phase	32A/phase	40A/phase
Output				
Phase	Single Phase & Ground			
Voltage Range	230V ±1%			
Wave Form	Sine wave			
Frequency	50Hz ±0.5%			
THD (Linear Load)	<3%			
Power Factor	0.8			
Overload Capacity	Overload (110%-150%), 20s later go to bypass, automatically resume when load becomes normal			
Short Circuit Protection	current limit, turn off automatically, switch protect			
Communication				
Interface	RS232			
Battery				
DC Voltage	192VDC			240VDC
Max. Charge Current	5A			6A
Efficiency				
Whole Unit	>85%			
Transfer Time				
Mains to Inverter	0ms			
Panel Indication				
LCD	input/output voltage, input frequency, battery voltage, load capacity			
LED	low battery, on-line, inverter, bypass, abnormal			
Environment				
Temperature	0-40 °C			
Humidity	0-90% (non-condensing)			
Noise	<58dB			
Physical (without battery)				
Net Weight	132kg	200kg	236kg	311kg
Dimensions (WxDxH)	305 x 585 x 864mm	409 x 798 x 1044mm		555 x 741 x 1200mm
Standards				
Safety	IEC/EN62040-1; IEC/EN60950-1			
EMC	IEC/EN62040-2; IEC61000-4-2; IEC61000-4-3; IEC61000-4-4; IEC61000-4-5; IEC61000-4-6; IEC61000-4-8			

Specifications subject to change without prior notice.

