



TRUE ONLINE DOUBLE CONVERSION UPS

8KVA-20KVA
3:1 PHASE

This is a double conversion UPS designed to provide 100% voltage conditioning. It rectifies AC mains into a DC voltage which is connected to an inverter input to provide a good clean AC sinewave waveform for the UPS output. These UPS operate continuously, regardless of what happens to the commercial AC power source and provide protection during untimely power outages. By continually supplying your critical load with near perfect AC Power, it prevents damaging power line abnormalities from reaching your sensitive equipment. Our carefully engineered design will extend equipment life and reduce costly hardware failures. Our custom built UPS are available in a wide variety of power ratings, configurations and designs to meet the requirements of your installation.

FEATURES

- 1 Smart Computer Interface, DSP Microprocessor Control
- 2 User-friendly Compact Design, Input Power Factor Corrector
- 3 Built in Automatic & Manual Bypass
- 4 IGBT Module and Latest PWM Technology
- 5 Wide Input Voltage Range & Generator Compatible
- 6 Built-in High Capacity Charger for Long Backup Time
- 7 DC Start & Automatic Self-diagnostic Function
- 8 Full Protection: Overload, Short Circuit, Over Temp. etc.



APPLICATIONS

Datacentres || Server & Networks || Telecomm Equipment || Emergency Services
Financial Institution || Medical Equipments || Industrial Manufacturing

SPECIFICATIONS

MODEL	UPS-8KVA	UPS-10KVA	UPS-15KVA	UPS-20KVA
Power Capacity	5600W	7000W	10500W	14000W
Input				
Voltage	304 - 478 VAC			
Frequency Range	46Hz - 54 Hz			
Phase	Three Phase with Ground			
Input Power Factor	>0.95			
Output				
Voltage	~230VAC \pm 1%			
Frequency	Synchronized 46-54Hz (Line Mode) 50Hz \pm 0.1% (Battery Mode)			
Waveform	Sine Wave			
Distortion	<3% for Linear Load <5% for Non Linear Load			
Power Factor	0.7			
Overload Capacity	105% ~ 120% for 10 min			
Crest Factor	3:1			
Battery				
Type	External Battery Bank			
DC Voltage	192 - 240 VDC			
Recharge Time	8 Hours to 90% of full Capacity after full Load Discharge			
Charger Type	Constant Voltage Constant Current			
Charging Voltage	218 - 274VDC \pm 1%			
Efficiency				
Overall	> 90%			
Inverter	> 92%			
Protections				
Mains	I/P Under & Over Voltage cut-off, Phase reversal			
Inverter	Output Overload / Short-circuit / Output Under Voltage / Battery Low			
Alarms & Indications				
Audible Alarm	Battery Mode, Battery Low, Overload, Fault			
LCD & LED Indicators	Load/Battery Level, Utility Power, Inverter, Bypass, Overload, Fault			
Physical				
MCB's	Battery / Input			
Cooling	Forced Air			
Dimension (HxWxD) (mm)	500x260x540		717x260x570	
Weight	32 kgs		55 kgs	

* Specifications are subject to change without notice.

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