



ONLINE UPS SYSTEM
(With Inbuilt Isolation Transformer)
5KVA to 150KVA

TECHINCAL PARAMETERS

Input Voltage	170-270 VAC Two Wire 340-470 VAC Four Wire
Input Frequency	47-53Hz
Rectifier – Charger	Automatic Float cum Boost Charger Constant Voltage Constant Current Type
Battery Input	180-360 VDC (or as per requirement)
Output Voltage	230/400 VAC (or as per requirement)
Regulation	+/-1% under all lines and load conditions
Output Frequency	50Hz +/-0.05%
Inverter Efficiency	Better Than 90%
Waveform	Pure sine wave
THD	<3% at linear load
Transient Response	+/-5% under step load change
Transient Recovery	Within 3 cycles
Load power Factor	0.8 Lagging
Overload capacity	110% for 10 mins,150% for 10 sec
Crest Factor	3:1
Control Method	Sinusoidal PWM Control
Circuit Method	Double Conversion Zero Transfer Time
Ambient Temperature	0 - 45 Degree Celcius
Relative Humidity	95% RH Max (Non condensing)
Audible Noise	Less than 55 Db at 1.5 meters
Protections	Battery under and over Voltage output overload and short circuit



ONLINE UPS SYSTEM HIGH FREQUENCY

1KVA to 3KVA

TECHINCAL PARAMETERS

Capacity (VA / Watts)		1000 / 800	2000 / 1600	3000 / 2400
Phase		Single Phase		
INPUT				
Input Voltage Range		110 – 300V AC at 60% load, 160-300V AC at 100% load		
Frequency Range		45 – 55 Hz / 55 – 65 Hz		
Power Factor		>/= 0.99 @Nominal Voltage (100% load)		
OUTPUT				
Output Voltage (Selectable)		220 / 208 / 220 / 230 / 240 V AC		
Voltage Regulation		+/- 1%		
Frequency Range (Synchronized Range)		45 – 55 Hz / 56 – 64 Hz		
Frequency Range (Battery Mode)		50 Hz / 60 Hz +/-0.1 Hz		
Current Crest Ratio		3:1		
Harmonic Distortion (THDv)		</=3% (Linear load) </=6% (Non-linear load)		
Transfer Time	AC to DC	Zero		
	Inverter to Bypass	4ms (Typical)		
Waveform		Pure Sinewave		
EFFICIENCY				
AC Mode		88%	89%	90%
Battery Mode		83%	85%	86%
BATTERY				
Internal Model	Battery Type	12V / 7AH	12V / 7AH	12V / 7AH
	Numbers	3	8	8
	Charging Current (Max.)	1A	1A	1A
Long-run Model	Charging Current (Max.)	6A	6A	6A
PHYSICAL				
Dimension (DxWxH) mm		415x145x215	475x192x340	475x192x340
Weight (kg) Net / Gross		7.5 / 9	14 / 16	15 / 17
Humidity		20 – 90% RH @0-40 Degree celcius (Non – condensing)		
Noise Level		<55Db @1 Meter		

Specifications are subject to change without any prior notice.