



Specifications : ONLINE UPS

Type	3 Phase Input - 3 Phase Output	1 Phase Input - 1 Phase Output
Technology	DSC based Double Conversion Online UPS system with true galvanic isolation	
Capacity	10 kVA 15 kVA 20 kVA 25 kVA 30 kVA 40 kVA 50 kVA	5 kVA 7.5 kVA 10 kVA
INPUT		
No. of Phase	3 Phase - 5 Wire With Neutral and Earth	1 Phase - 3 Wire With Neutral and Earth
Voltage Range	310 V - 480 Volts AC	160 V - 280 Volts AC
Input Frequency Range	45 to 55Hz	
OUTPUT		
Power	8000 W 12000 W 16000 W 20000 W 24000 W 32000 W 40000 W	4000 W 6000 W 8000 W
Load PF Range	0.8 lagging	
Phase	3 Phase - 5 Wire with Neutral and Earth	1 Phase - 3 Wire With Neutral and Earth
Output Waveform	Pure Sine Wave	
Voltage	415 V + 1%	220 V + 1%
Frequency	50Hz + - 0.1%	
Load Crest Factor	3:1	
Output Voltage THD	<= 3% on Linear	
Loading Capacity	110 % for 2 Minutes	
Transient Recovery	+ 4 % under full load charge and corrected within 1 cycle	
BATTERIES/CHARGER	SIX PULSE CHARGER	SIX PULSE CHARGER
No. of 12V Batteries	30	
Voltage	360 V DC	
Charging Current	1 Amp to 10 Amp	
GENERAL		
Indication	LCD panel & LED	
Alarm	Mains Failure, Battery Low, Over Load, Short Circuit	
Protection	Short Circuit, Thermal, Battery Low/High, Mains high/low, output high/low, overload	
Cooling	Forced Air Cooling	
UPS Efficiency	> 85 %	
Operating Temperature	0 - 40° c	
Operating Humidity	95 % Condensing	
Accoustic Noise	< 55 dB at 1 meter	



SKY HIGH ENTERPRISE



TECHNICAL SPECIFICATION

Capacity (V/A)	1000	2000	3000
Input			
Nominal Voltage	220 / 230 / 240 V AC		
Operating Voltage Range	110-300 V AC (Based on load at 50%), 160-300 V AC (Based on Load at 100%)		
Operating Frequency Range	40-70 Hz (Auto Sensing)		
Power Factor	0.8		
Output			
Output Voltage & Power Factor	220 / 230 / 240 V & 0.8		
Output Frequency	50Hz / 60Hz 5% Synchronized with the utility on AC mode, 50Hz/60Hz 0.2% on Battery mode		
Harmonic Distortion (THDV)	< 2% (liner load), <5% (Non Liner Load)		
Crest Factor	3:1 (max)		
Efficiency	> 91%		
Battery			
DC Voltage	36 V DC	96 V DC	96 V DC
Battery Type & Number	SMF, 12v/7 Ah x 3,	SMF, 12v/7 Ah x 8,	SMF, 12v/7 Ah x 8,
Charge Current (Long Run Unit)	6A		
Typical Recharge Time	8 hours (For 90% of full capacity)		
Transient Response	53% for 100% Non Linear Load		
System Features			
LCD Indication	1. Input / Output Voltage, Battery Voltage, Frequency, Load Watt & kVA, Battery level 2. Operation mode such as "Online", or "On bypass", abnormal operation, discharge & fault		
LED Indication	1. Green LED for normal operation 2. Yellow LED for warning condition 3. Red LED for abnormal operation 4. LED for normal battery mode		
Overload Capability	1. >110% 30s turn to bypass mode. 2. >150%, 300ms turn to bypass mode		
Transfer Time	Between AC Mode and Battery Mode : 0ms		
	Between AC Mode and Battery Mode : 4ms (typical value 2.5ms)		
Communication Interface	RS 22, 5NMP (optional), support windows, Novel, Linus & free BSD		
Environmental			
Operating Temperature	0 - 40° C		
Storage Temperature	-25° C to 55° C		
Humidity Range	0% - 95% (non-condensing)		
Altitude	< 1500 m		
Noise Level	< 45 dB		

*Due to continuous engineering developments products specification may vary without prior notice

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