



Blazing Performance

Solar UPS



SPTS Series

KEY FEATURES

- ☉ Pure Sine Wave Output
- ☉ Bypass Facility
- ☉ User Configurable Parameter
- ☉ IGBT(PFC) Based Charger
- ☉ Inverter Isolation Transformer

TECHNICAL SPECIFICATIONS

PRODUCT DETAILS			
Product Name	SOLAR UPS		
Models	SPTS		
Ratings	5 KVA	10 KVA	15 KVA
Operating DC Voltage	192V	192V	192V
No. of Batteries	16	16	16
Solar PV Voltage	240V - 320V	240V - 320V	240V - 320V
MAINS MODE			
No of Phase	1 Phase - 3 Wire P, N, E		
Voltage Range	160V - 280V AC		
Main low Recovery Range	10V		
Main High Recovery Range	5V		
Frequency Range	47 - 53 Hz		
Battery Charging Stages	3		
INVERTER MODE			
Switching Power Device	IGBT MODULES		
Control	PWM		
Output voltage	230V AC +/- 1%		
Phase	1 Phase - 3 wire P, N, E		
Output Waveform	Pure Sine Wave		
Frequency	50 Hz (Free running)		
Changeover UPS to Mains	0 ms		
Changeover Mains to UPS	0 ms		
Rated Output Power Factor	0.8		
Switch	UPS START, STOP/RESET, ENTER, ESCAPE, UP, DOWN		
LCD Display Parameters	I/P Voltage, O/P Voltage, Battery/PV Voltage, Output/PV Voltage, O/P Frequency, Charging Current, UPS ON/OFF		
LED Indication	Mains ON , Fault, Battery ON, PV ON		
Alarm	Battery Low, Overload, Charger ON, Grid Fail		
Protection	Overload, Short Circuit, O/V, Mains Surge, U/V and O/V Protection, Over Temp.		
Operating Temp	0 - 50°C		
Operating Humidity (RH Value)	Less than 95		
Protection Class	IP 20		
BATTERY			
Low Cut Off	10.5V/Batt. +/- 2%		
Battery Low Buzzer	10.75V/ Batt. +/- 2%		
Low Cut off Recovery	12V/ Batt. +/- 2%		
Charging Current By Grid	As per Battery Ah		
Charging Current By Solar	5 Amps. to 20 Amps.		
Communication	Rs485 (Optional)		
Dimensions (In mm) (W x D x H)	5 KVA, 10 KVA & 15 KVA: 370 x 725 x 790 20 KVA, 25 KVA & 30 KVA: 470 x 810 x 900		

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