

PT POWERTEK ELECTRONICS
THE POWER OF A NEW BHARAT

SPTT Series



HIGH PERFORMANCE
Solar UPS

**POWERING
INDIA
SINCE
2000**

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	SPTT							
Ratings	5 KVA	10 KVA	15 KVA	20 KVA	25 KVA	30 KVA	40 KVA	50 KVA
Operating DC Voltage	240V			360V				
No. of Batteries	20			30				
Solar PV Voltage	300V - 400V			450V - 600V				
MAINS MODE								
No of Phase	3 Phase - 4 Wire R, Y, B, N							
Voltage Range	340V - 460V 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	400V AC +/- 1%							
Phase	3 Phase - 4 Wire R, Y, B, N							
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: 470 x 810 x 900 25 KVA, 30 KVA & 40 KVA: 470 x 1090 x 900 50 KVA: 570 x 1230 x 920							

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