



All in one low frequency inverter charger SPT



DC Input Voltage: 12V/24V/48VDC

Power Optional: 4KW/5KW/6KW

SPT series are low frequency inverter charger all-in-one machines, which is an intelligent combination of inverter, UPS, charger and grid bypass.

This professional power supply product, with high anti-interference pure sine wave output, can provide reliable power supply consistent with or even better than the grid.

SPT series are mainly used in vehicle, yacht, solar systems, mobile equipment, power tools and home/office and other fields.

## Features

- Output pure sine wave.
- The working mode and the parameters can be set.
- Isolation output, less interference, stronger impact resistance.
- Ultra-fast switching time (built-in fast relay <10ms).
- Good electromagnetic compatibility design, no noise.
- The RJ45 and RJ11 interfaces enable networked monitoring.
- Hybrid work (battery, grid, generator free choose).

## Protection

- Grid input over-voltage, low-voltage protection.
- Battery under-voltage and over-voltage protection.
- Short-circuit protection for AC output.
- Overload protection for AC output.
- Over-temperature protection.
- Malfunction alarm.

## Applications



PV



Home



RV



Yacht

Model		SPT4000-224	SPT4000-248	SPT5000-224	SPT5000-248	SPT6000-224	SPT6000-248
Rated power (W)		4000		5000		6000	
Inverter mode	Rated output voltage	120VAC/230VAC					
	Rated output frequency	50Hz±0.5%/60Hz±0.3%					
	Waveform	Pure sine wave					
	THD	< ±3%					
	Efficiency	>88%					
	Overload protection	(105%<load<120%) ±10%: Cut off output within 10s					
		(120%<load<150%) ±10%: Cut off output within 3s					
		load>150%±10%: Cut off output within 1s					
	Short circuit protection	Cut off output when Short circuit (Restart the machine after fault lifted)					
	Rated DC Input	24/48VDC		24/48VDC		24/48VDC	
Surge power	3 times the rated power						
Power factor	0.9-1						
Grid mode	Input voltage range	Option 1: 120/230VAC±15%					
		Option 2: 120/230VAC (-23%~+15%)					
	Input voltage frequency	40Hz-70Hz					
	Input waveform	Pure sine wave (Grid/Generator)					
	Short circuit protection	Breakers					
	Overload protection	120%<load<150%) ±10%: Cut off output within 60s					
		150%>load ±10%: Cut off output within 1s					
	Over voltage protection	16.0±0.3VDC (*2 /24VDC, *4/48VDC)					
	Efficiency	>95%					
Charging current	Adjustable						

Choose charge mode for your battery			
Battery	Fast charge (VDC)		Float charge (VDC)
Gel U.S.A	14		13.7
A.G.M.1	14.1		13.4
A.G.M.2	14.6		13.7
Sealed lead acid	14.4		13.6
Gel europeam	14.4		13.8
Open lead acid	14.8		13.3
Calcuim open	15.1		13.6
De sulphation	15.5 (Stop after 4 hours)		
Li	14.7		
Battery	Rated input voltage	24/48VDC	24/48VDC
	Voltage range	12V(10VDC~16VDC) $\pm$ 0.3VDC (*2 /24VDC, *4/48VDC)	
	Low voltage alarm	10.5 $\pm$ 0.3VDC (*2 /24VDC, *4/48VDC)	
	Low voltage protection	10.0 $\pm$ 0.3VDC (*2 /24VDC, *4/48VDC)	
	Over voltage alarm	16.0 $\pm$ 0.3VDC (*2 /24VDC, *4/48VDC)	
	Over voltage protection	15.5 $\pm$ 0.3VDC (*2 /24VDC, *4/48VDC)	
Others	Operating temperature	0~40°C	
	Operating humidity	0%~95%	
	Noises	<50dB	
	Weight (kg)	/	/
	Size (mm) (L*W*H)	520*395*190	