



All in one low frequency inverter charger SPT



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

Power Optional: 1KW/1.5KW/2KW/3KW

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		SPT1000-212	SPT1000-224	SPT2000-212	SPT2000-224	SPT2000-248	SPT3000-212	SPT3000-224	SPT3000-248
Rated power (W)		1000		2000			3000		
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	12/24VDC	12/24/48VDC			12/24/48VDC			
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 european	14.4	13.8		
Open lead acid	14.8	13.3		
Calcium open	15.1	13.6		
De sulphation	15.5 (Stop after 4 hours)			
Li	14.7			
Battery	Rated input voltage	12/24VDC	12/24/48VDC	12/24/48VDC
	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)	450*325*190		