

SGPC Series Pure Sine Wave Inverter With Charger

500W-5000W



Remote control



Supports lithium battery



Eight major protection functions



Pure sine wave output

Product Introduction

The SGPC Series Pure Sine Wave Inverter with charging has complementary functions of mains charging and mains power, which can prioritize the power supply to the load and charge the battery. When the mains power is cut off, it will automatically switch to inverter power supply, ensuring uninterrupted power supply to the load. The output sine waveform quality is better than that of mains power; At the same time, the design of input and output circuits is completely isolated, ensuring the safety of system operation.

Product features

- 1 Priority of mains power supply to load
- 2 Equipped with mains charging and UPS functions
- 3 LCD remote control panel optional
- 4 Customizable for various types of sockets
- 5 Pure sine wave inverter
- 6 Can support lithium battery activation

Optional Accessories



Remote control panel



50/60Hz frequency switching switch



Rs485 communication



Wireless remote control



Bluetooth module

Product parameters

Model	SGPC-500	SGPC-1000	SGPC-1500	SGPC-2000	SGPC-2500	SGPC-3000	SGPC-4000	SGPC-5000
Rated power	500W	1000W	1500W	2000W	2500W	3000W	4000W	5000W
Peak power	1000W	2000W	3000W	4000W	5000W	6000W	8000W	10000W
Input voltage	12/24/48VDC							
Output voltage	110/220VAC±5%							
USB port	5V2A							
Frequency	50Hz ± 3 or 60Hz ± 3							
Output waveform	Pure sine wave							
Soft start	yes							
Charging current	12V/10A or 24V/5A		12/20A or 24V/10A			24V/20A or 48V/10A		
Power supply priority	Priority for AC							
Switching time	<10 ms							
DC input range	12V(10V-15.5V);24V(20V-31V);48V(40V-61V)							
Input undervoltage alarm	12V(10.5V±0.5V);24V(21V±0.5V);48V(42V±1V)							
Input undervoltage protection	12V(10V±0.5V);24V(20V±0.5V);48V(40V±1V)							
Input undervoltage recovery	12V(12V±0.5V);24V(24V±0.5V);48V(48V±1V)							
Input Overvoltage Protection	12V(15.5V±0.5V);24V(31V±0.5V);48V(60V±1V)							
Input overvoltage recovery	12V(15V±0.5V);24V(20V±0.5V);48V(59V±1V)							
Refrigeration method	Intelligent fan							
Protection function	Undervoltage protection, overvoltage protection, overload protection, over temperature protection, short circuit protection, reverse connection protection (fuse)							
Working temperature	-10°C - +50°C							
Product size (cm)	29.8*17*10.2	37.5*17*10.2	40*17*10.2	43*17*10.2	49.5*17*10.2	51*19.8*14.5	61*19.8*14.5	61*19.8*14.5
Package size (cm)	53.5*47*40.7/6pcs	47.5*47*36.5/4PCS	53*47*36.5/4PCS	53*47*36.5/4PCS	60.3*47*36.5/4PCS	65*32.5*25/1PCS	74*32*25/1PCS	74*32*25/1PCS
NW./PCS (kg)	2.7	3.5	5.25	5.25	5.6	8.9	11.14	13.56
GW. /Ctn (kg)	22	18	23.5	24.2	27.6	10.82	13.48	16.18
Packaging method	Carton					Honeycomb box		
Warranty	1 Year							