

SGPE Series Pure Sine Wave Inverter With E Display

300W-8000W

- Remote control
- Intelligent display
- Eight major protection functions
- Pure sine wave output



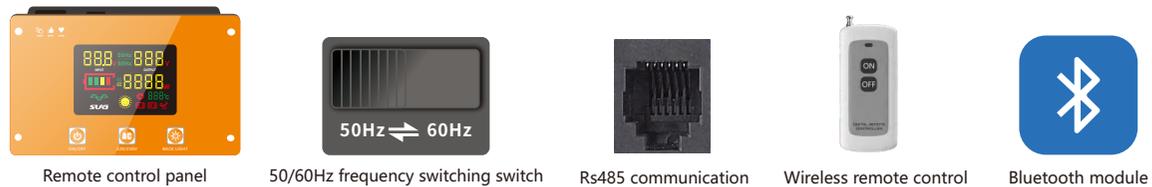
Product Introduction

The SGPE series high-frequency pure sine wave inverter adopts intelligent color display design, visualizes operating data, uses imported chips and independently developed software, and outputs pure sine wave quality better than mains power. It can be used to run most electric tools and inductive loads; At the same time, the design of input and output circuits is completely isolated, ensuring the safety of system operation. The newly upgraded digital remote control and customized Bluetooth APP can perfectly match the outdoor RV application scenarios.

Product features

- 1 Intelligent display/remote control panel display
- 2 Pure sine wave inverter
- 3 Customizable Bluetooth and wireless remote control functions
- 4 Customizable RS485 communication
- 5 Customized input voltage: 36/60/72/96/110VDC
- 6 Customizable for various types of sockets
- 7 Stable voltage output with almost no voltage drop at full load

Optional Accessories



Product Parameters

Model	SGPE-300	SGPE-500	SGPE-600	SGPE-1000	SGPE-1500	SGPE-2000	SGPE-2500
Rated power	300W	500W	600W	1000W	1500W	2000W	2500W
Peak power	600W	1000W	1200W	2000W	3000W	4000W	5000W
Input voltage	12/24/48VDC (customizable)						
Output voltage	110/220VAC±5%						
USB output	5V2A						
Type-C output	Optional(PD30W/PD60W)						
Frequency	50Hz ± 3 or 60Hz ± 3						
Output waveform	Pure sine wave						
Soft start	yes						
Total harmonic distortion THD	THD<3% (linear load)						
Efficiency	Maximum 94%						
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)	18.8*10.2*6	21*11.3*5.5	20.5*15*7.8	29.8*17*10.2	29.8*17*10.2	38.1*17*10.5	42.3*17*10.5
Package size (cm)	54.5*49*32.5/18PCS	65.5*43.5*31.3/16PCS	76*45*28/10PCS	53.5*47*40.7/6PCS	53.5*47*40.7/6PCS	47.5*47*36.5/4PCS	47.5*47*36.5/4PCS
NW./PCS (kg)	0.9	1.25	1.7	2.74	2.8	4.02	4.76
GW. /Ctn (kg)	23	22.5	22.34	20.52	21	21.7	22.52
Packaging method	Carton						
Warranty	2 Years						

Product Parameters

Model	SGPE-3000	SGPE-3500	SGPE-4000	SGPE-5000	SGPE-6000	SGPE-8000
Rated power	3000W	3500W	4000W	5000W	6000W	8000W
Peak power	6000W	7000W	8000W	10000W	12000W	16000W
Input voltage	12/24/48VDC (customizable)			24/48VDC (customizable)		
Output voltage	110/220VAC±5%					220VAC±5%
USB output	5V2A					
Type-C output	Optional(PD30W/PD60W)					
Frequency	50Hz ± 3 or 60Hz ± 3					
Output waveform	Pure sine wave					
Soft start	Yes					
Total harmonic distortion THD	THD<3% (linear load)					
Efficiency	Maximum 94%					
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)	50.5*19.9*8.4	48*19.9*8.4	51*20*15	51*20*15	61*20*15	61*20*15
Package size (cm)	60*27*31.5/ 2PCS	56.5*30.8*24/ 1PCS	65*32.5*25/ 1PCS	65*32.5*25/ 1PCS	74*32*25/ 1PCS	74*32*25/ 1PCS
NW./PCS (kg)	6.35	8.92	9.04	10.12	12.25	13.14
GW./Ctn (kg)	15.45	10.7	10.84	13.25	14	14.96
Packaging method	Carton	Honeycomb box				
Warranty	2 Years					

