

SGPF Pure Sine Wave Inverter

1000W-3000W



Compact in size



Eight major protection functions



Pure sine wave output

Product Introduction

The SGPF series high-frequency pure sine wave inverter adopts independently developed software, which outputs pure sine waveform with better quality than mains power and can be used to operate 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.

Product features

- ① Input and output are completely isolated
- ② Stable operation at full power load
- ③ Soft start function
- ④ Pure sine wave inverter
- ⑤ Small size, easy to carry and install
- ⑥ Eight major protection functions

Application Area

- ※ Energy storage system, control system, alarm system, power system, database
- ※ Emergency lighting system, emergency power supply, UPS
- ※ Telecommunications, communication, and fire protection

Product parameters

Model	SGPF-1000	SGPF-1500	SGPF-2000	SGPF-3000
Rated power	1000W	1500W	2000W	3000W
Peak power	2000W	3000W	4000W	6000W
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			
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(13V±0.5V); 24V(24V±0.5V); 48V(48V±1V)			
Input Overvoltage Protection	12V(16V±0.5V); 24V(31V±0.5V); 48V(61V±1V)			
Input overvoltage recovery	12V(14.8V±0.5V); 24V(29V±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)	28.2*14.4*7.3	31.2*14.4*7.3	33.7*16.3*8.1	37.7*16.3*8.1
Package size (cm)	55*41.5*38/8PCS	41.5*41.5*41.3/6PCS	45.5*30*45.5/4PCS	50*44.5*23/3PCS
NW./PCS (kg)	2	2.4	3.2	4.25
GW. /Ctn (kg)	18.9	17.4	16.6	15.91
Packaging method	Carton			
Warranty	1Year			