













# 300W (without display)





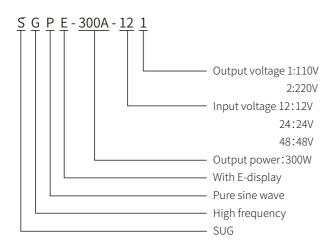
## Producst Introduction

SGPE is high frequency pure sine wave inverter with E-display, original imported chip and MOSFET, dual ball temp controlled fans, visible data to realize smart, reliable, low noise, high quality output. We design and produce pure copper transformer, inductor by ourselves and meet all customer's demands. It can run all kinds of load stably and the pure sine wave form is better than electricity. At the same time, input and output lines are designed to be completely isolated to protect the system more safer.

## Customization/optional Parts

- \$\langle\$ Input voltage customization:36V/60V/72V/96V/110V
- **RS485**

## Model Meaning



## brings warm & bright

## Technical Parameter

Model	SGPE-300A-121	SGPE-300A-122	SGPE-300A-241	SGPE-300A-242	SGPE-300A-481	SGPE-300A-482				
Rated Power			30	OW						
Surge Power		600W(Few seconds)								
Input Voltage	12\	12VDC 24VDC 48VDC								
Output Voltage	110VAC±5%	220VAC±5%	110VAC±5%	220VAC±5%	110VAC±5%	220VAC±5%				
USB Port			5V (	).5A						
Frequency			50Hz±0.5 c	or 60Hz±0.5						
Output Waveform			Pure Sir	ne Wave						
Soft Start		YES								
AC Regulation			THD<3%(L	inear Load)						
Output Efficiency			94%	Max						
DC Voltage Range	10-1	5.5V	20-31V		40-61V					
Low Voltage Alarm	10.5	±0.5V	21±	0.5V	42±1V					
Low Voltage Shut Down	10±	0.5V	20±	0.5V	40=	±1V				
Low Voltage Recovery	13±	0.5V	24±	24±0.5V		±1V				
Over Voltage Shut Down	15.5	±0.5V	31±0.5V		61±1V					
Over Voltage Recovery	14.8	±0.5V	29±0.5V		59±1V					
Cooling Way			Intelligent (	Cooling Fan						
Working Temperature			-10°C -	+50°C						
Net Dimension			20*11.2*6cr	n (L $\times$ W $\times$ H)						
Inner Box Dimension			26.5*15.8*10.5	$Scm(L \times W \times H)$						
Meas./Ctn		·	54.5*49*32.	5cm /18pcs		·				
N.W./Unit			0.8	2Kg						
G.W./Ctn			201	⟨gs						
Packing			Car	ton						
Warranty			2 Ye	ears						
Note:Low voltage and ove	er voltage can cus	tomized by lithiur	m battery							

#### Protection



Low Voltage





Over Voltage Temperature



Protection







Reverse Polarity



Soft Start Protection

#### Application Area





Energy storage





Ship



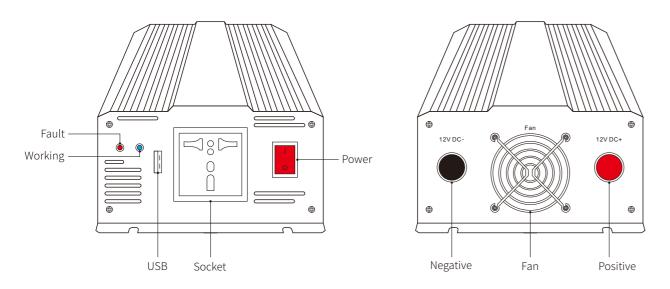


Communication

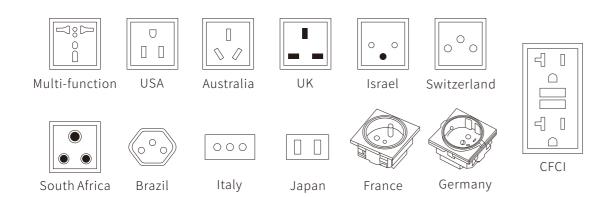




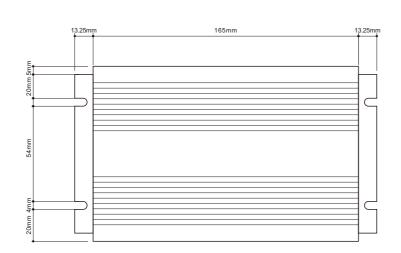
# 300W (without display)



## Socket Customization

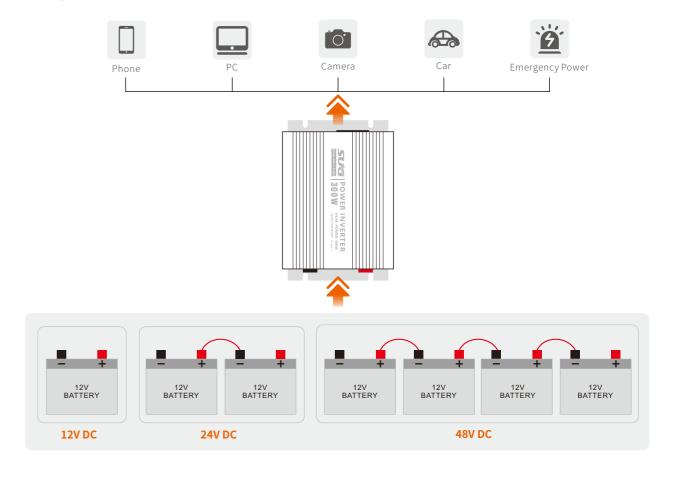


## Installation Dimensions



## Battery Connection Diagram

- X Can connect 12V/24V/48V gel acid battery/lithium battery
- ※ Pay attention to reverse connection



















# 500W (without display)





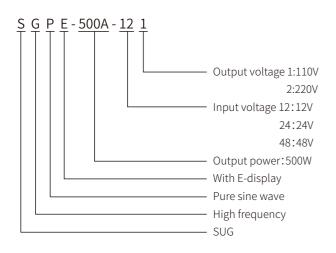
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## Customization/optional Parts

- \$\langle\$ Input voltage customization:36V/60V/72V/96V/110V
- **RS485**

## Model Meaning



## brings warm & bright

## Technical Parameter

Model	SGPE-500A-121	SGPE-500A-122	SGPE-500A-241	SGPE-500A-242	SGPE-500A-481	SGPE-500A-482		
Rated Power	500W							
Surge Power	1000W(Few seconds)							
Input Voltage	12V	12VDC 24VDC 48VDC						
Output Voltage	110VAC±5%	220VAC±5%	110VAC±5%	220VAC±5%	110VAC±5%	220VAC±5%		
USB Port			5V (	).5A				
Frequency			50Hz±0.5 c	r 60Hz±0.5				
Output Waveform			Pure Sir	ne Wave				
Soft Start			YE	ES				
AC Regulation			THD<3%(L	inear Load)				
Output Efficiency			94%	Max				
DC Voltage Range	10-1	5.5V	20-31V		40-61V			
Low Voltage Alarm	10.5 ±	=0.5V	21±	21±0.5V		±1V		
Low Voltage Shut Down	10±	0.5V	20±	20±0.5V		±1V		
Low Voltage Recovery	13±	0.5V	24±	0.5V	48=	±1V		
Over Voltage Shut Down	15.5±	=0.5V	31±0.5V		61±1V			
Over Voltage Recovery	14.8 ±	=0.5V	29±	0.5V	59=	±1V		
Cooling Way			Intelligent (	Cooling Fan				
Working Temperature			-10°C -	+50°C				
Net Dimension			21*11.3*5.5 c	m (L×W×H)				
Inner Box Dimension			31.5*14.7*10.2	?cm(L×W×H)				
Meas./Ctn			76*32.5*3	2.5/15pcs				
N.W./Unit			1.1	7Kg				
G.W./Ctn			21.5	Kgs				
Packing			Car	ton				
Warranty			2 Ye	ears				

## Protection















Low Voltage

Over Voltage

Temperature

Protection

**Short Circuit** Protection Polarity

Protection

#### Application Area





Energy storage





Ship



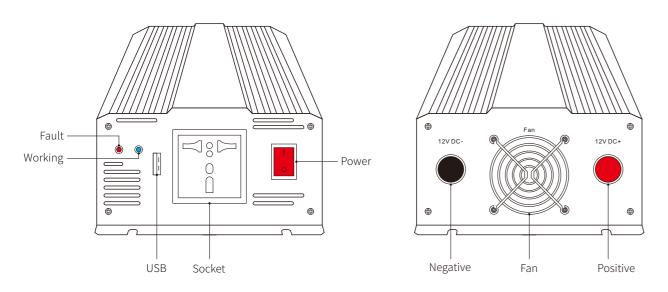


Communication

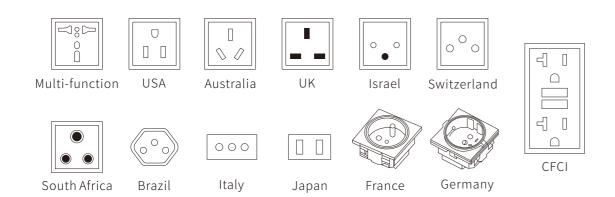




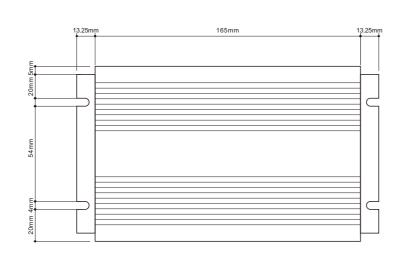
# 500W (without display)



## Socket Customization

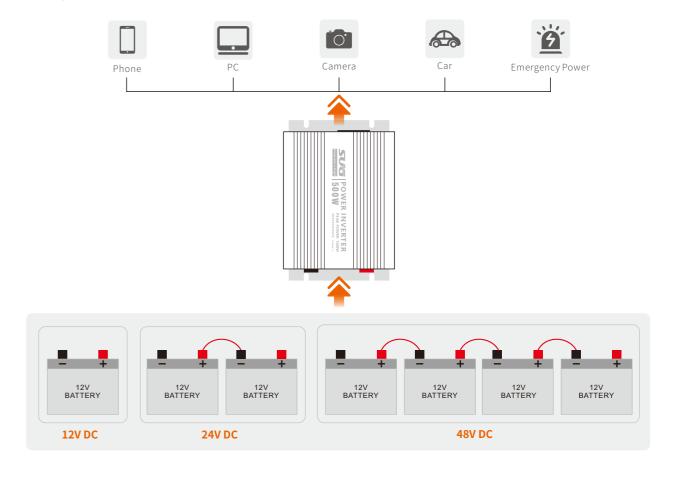


## Installation Dimensions



## Battery Connection Diagram

- ※ Pay attention to reverse connection



















# 600W





## Producst Introduction

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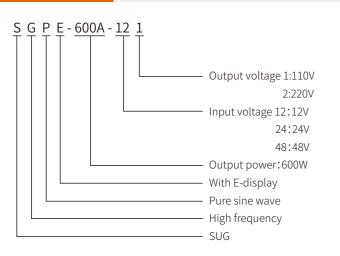
## Customization/optional Parts

- \$\times\$ Input voltage customization:36V/60V/72V/96V/110V
- Frequency switch 50Hz/60Hz
- **RS485**

## ✓ E-Display

✓ Wireless WiFi/Wire remote switch

## Model Meaning



## brings warm & bright

## Technical Parameter

Model	SGPE-600A-121	SGPE-600A-122	SGPE-600A-241	SGPE-600A-242	SGPE-600A-481	SGPE-600A-48			
Rated Power		600W							
Surge Power		1200W(Few seconds)							
Input Voltage	12V	12VDC 24VDC 48VDC							
Output Voltage	110VAC±5%	220VAC±5%	110VAC±5%	220VAC±5%	110VAC±5%	220VAC±5%			
USB Port			5V 2	2.4A					
Frequency			50Hz±0.5 c	r 60Hz±0.5					
Output Waveform			Pure Sir	ne Wave					
Soft Start		YES							
AC Regulation			THD<3%(L	inear Load)					
Output Efficiency			94%	Max					
DC Voltage Range	10-1	5.5V	20-31V		40-61V				
Low Voltage Alarm	10.5±	-0.5V	21±	0.5V	42:	±1V			
Low Voltage Shut Down	10±0.5V		20±	0.5V	40=	±1V			
Low Voltage Recovery	13±	0.5V	24±	0.5V	48=	±1V			
Over Voltage Shut Down	15.5±	-0.5V	31±0.5V		61=	±1V			
Over Voltage Recovery	14.8±	-0.5V	29±	0.5V	59±1V				
Cooling Way			Intelligent (	Cooling Fan					
Working Temperature			-10°C -	+50°C					
Net Dimension			21.5*15*7.8c	m (L $\times$ W $\times$ H)					
Inner Box Dimension			26.5*22*14.80	cm (L×W×H)					
Meas./Ctn			76*45*280	cm /10pcs					
N.W./Unit			2.1	Kg					
G.W./Ctn			22.3	4Kgs					
Packing			Car	ton					
Warranty			2 Ye	ears					

#### E Model Display









Battery Voltage &

Battery Level













## Working Mode



Normal Working



Low-volt Protection



High-volt Protection





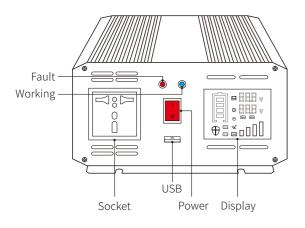
Overload Protection

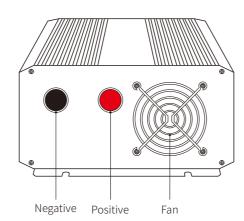
High-Temp Protection



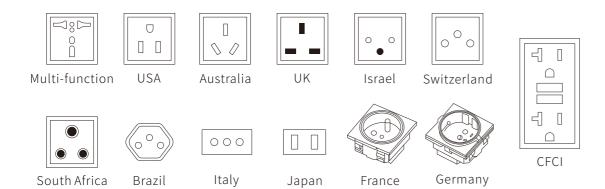


# 600W

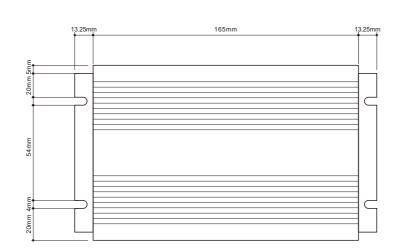




## Socket Customization

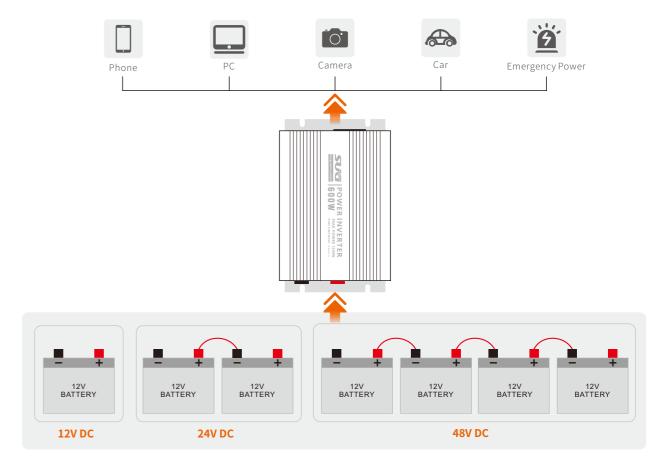


## Installation Dimensions



## Battery Connection Diagram

- $\divideontimes$  Pay attention to reverse connection



















# 1000W





#### Producst Introduction

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## Customization/optional Parts

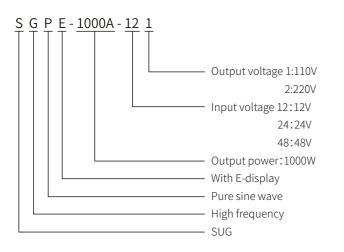
- \$\times\$ Input voltage customization:36V/60V/72V/96V/110V
- ✓ E-Display

Frequency switch 50Hz/60Hz

✓ Wireless WiFi/Wire remote switch

- **RS485**

## Model Meaning



## brings warm & bright

## Technical Parameter

Model	SGPE-1000A-121	SGPE-1000A-122	SGPE-1000A-241	SGPE-1000A-242	SGPE-1000A-481	SGPE-1000A-482		
Rated Power	1000W							
Surge Power	2000W(Few seconds)							
Input Voltage	12\	'DC	24V	DC	48\	/DC		
Output Voltage	110VAC±5%	220VAC±5%	110VAC±5%	220VAC±5%	110VAC±5%	220VAC±5%		
USB Port			5V 2	.4A				
Frequency			50Hz±0.5 o	r 60Hz±0.5				
Output Waveform			Pure Sir	ie Wave				
Soft Start			YE	:S				
AC Regulation			THD<3%(L	inear Load)				
Output Efficiency			94%	Max				
DC Voltage Range	10-1	5.5V	20-31V		40-61V			
Low Voltage Alarm	10.5	=0.5V	21±	0.5V	42±1V			
Low Voltage Shut Down	10±	0.5V	20±	0.5V	40=	±1V		
Low Voltage Recovery	13±	0.5V	24±	0.5V	48=	±1V		
Over Voltage Shut Down	15.5	=0.5V	31±	0.5V	61=	±1V		
Over Voltage Recovery	14.8	=0.5V	29±	0.5V	59=	±1V		
Cooling Way			Intelligent (	Cooling Fan				
Working Temperature			-10°C -	+50°C				
Net Dimension			27.8*17*10.50	m (L $\times$ W $\times$ H)				
Inner Box Dimension			39*23.3*17.50	m (L×W×H)				
Meas./Ctn			53.5*47*40	.7cm /6pcs				
N.W./Unit			2.74	1Kg				
G.W./Ctn			20.52	2Kgs				
Packing			Car	ton				
Warranty			2 Ye	ears				

#### E Model Display



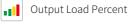


Battery Connected



Frequency















Normal Working









Low-volt Protection High-volt Protection

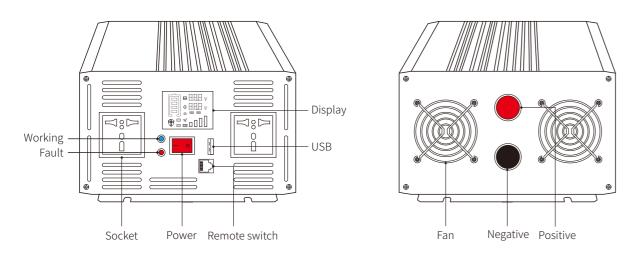
Overload Protection

High-Temp Protection

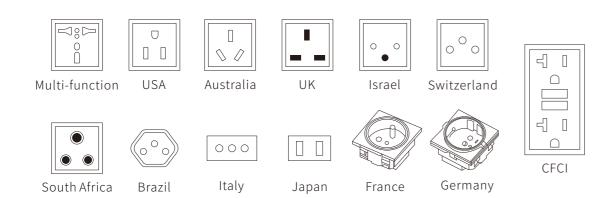




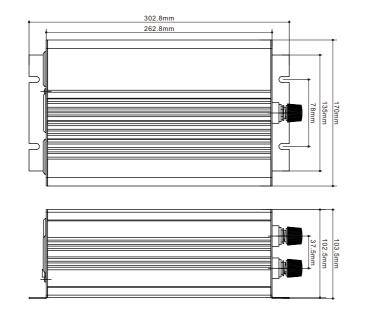
# 1000W



## Socket Customization

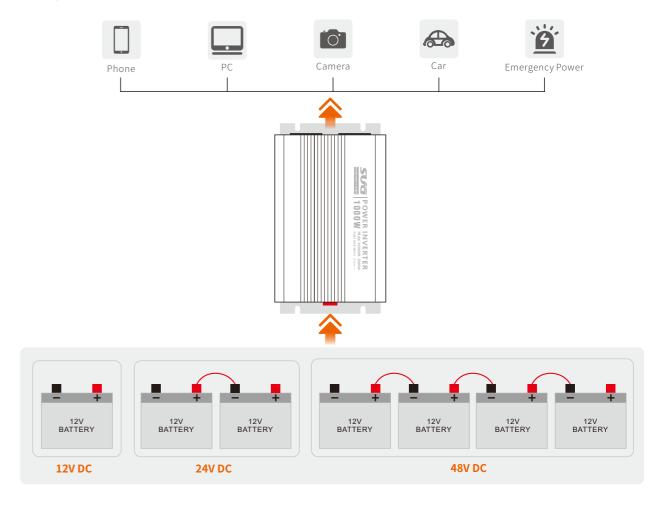


## Installation Dimensions



## Battery Connection Diagram

- ※ Pay attention to reverse connection



















# 1500W





✓ Wireless WiFi/Wire remote switch

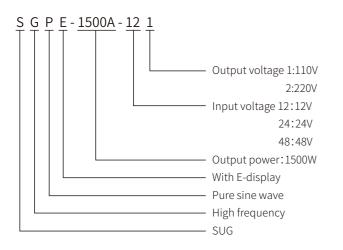
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## Customization/optional Parts

- \$\text{\colon}\$ Input voltage customization:36V/60V/72V/96V/110V
  - ✓ E-Display
- Frequency switch 50Hz/60Hz
- **RS485**

## Model Meaning



## brings warm & bright

## Technical Parameter

Model	SGPE-1500A-121	SGPE-1500A-122	SGPE-1500A-241	SGPE-1500A-242	SGPE-1500A-481	SGPE-1500A-4				
Rated Power		1500W								
Surge Power		3000W(Few seconds)								
Input Voltage	12V	'DC	24\	'DC	48\	/DC				
Output Voltage	110VAC±5%	220VAC±5%	110VAC±5%	220VAC±5%	110VAC±5%	220VAC±5%				
USB Port			5V 2	2.4A						
Frequency			50Hz±0.5 c	r 60Hz±0.5						
Output Waveform			Pure Sir	ne Wave						
Soft Start		YES								
AC Regulation			THD<3%(L	inear Load)						
Output Efficiency			94%	Max						
DC Voltage Range	10-1	5.5V	20-31V		40-61V					
Low Voltage Alarm	10.5±	=0.5V	21±	0.5V	42±1V					
Low Voltage Shut Down	10±	0.5V	20±	0.5V	40±1V					
Low Voltage Recovery	13±	0.5V	24±	0.5V	48:	±1V				
Over Voltage Shut Down	15.5±	=0.5V	31±	0.5V	61:	61±1V				
Over Voltage Recovery	14.8±	=0.5V	29±	0.5V	59:	±1V				
Cooling Way			Intelligent (	Cooling Fan						
Working Temperature			-10°C -	+50°C						
Net Dimension			27.8*17*10.50	cm (L×W×H)						
Inner Box Dimension			46*23.3*17.	5(L×W×H)						
Meas./Ctn			53.5*47*40	.7cm /6pcs						
N.W./Unit			2.74	4Kg						
G.W./Ctn			20.5	2Kgs						
Packing			Car	ton						
Warranty			2 Ye	ears						

## E Model Display













Output Load Percent











Normal Working









Low-volt Protection High-volt Protection

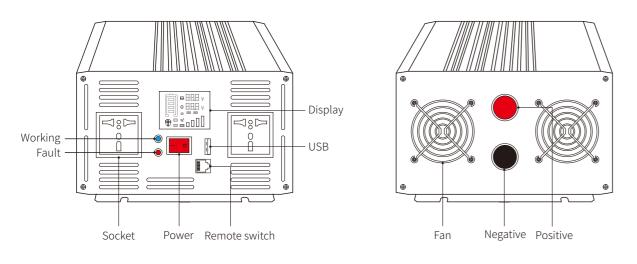
Overload Protection

High-Temp Protection

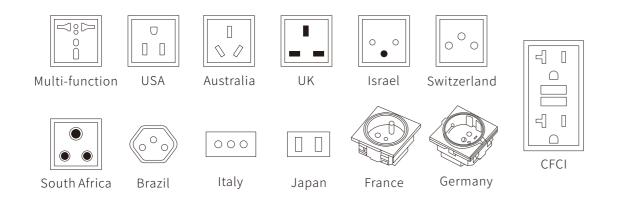




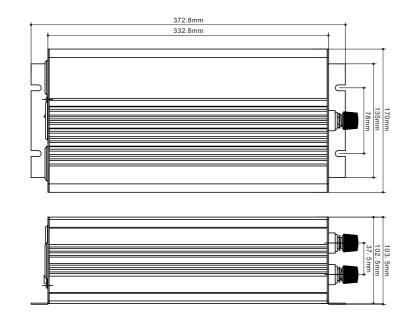
# 1500W



## Socket Customization

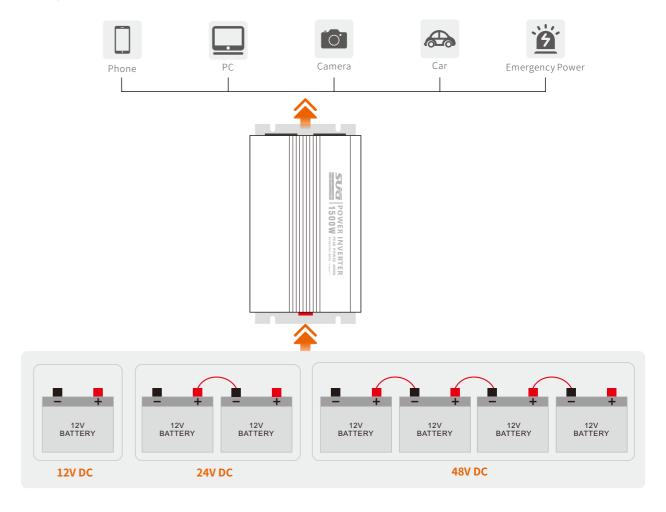


## Installation Dimensions



## Battery Connection Diagram

- ※ Pay attention to reverse connection



















# 2000W





✓ Wireless WiFi/Wire remote switch

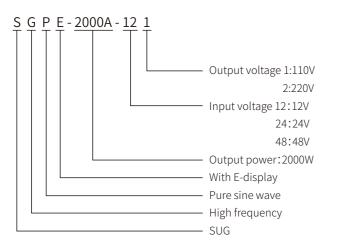
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## Customization/optional Parts

- \$\times\$ Input voltage customization:36V/60V/72V/96V/110V
  - ✓ E-Display
- Frequency switch 50Hz/60Hz
- **RS485**

## Model Meaning



## brings warm & bright

## Technical Parameter

Model	SGPE-2000A-121	SGPE-2000A-122	SGPE-2000A-241	SGPE-2000A-242	SGPE-2000A-481	SGPE-2000A-482			
Rated Power		2000W							
Surge Power	4000W(Few seconds)								
Input Voltage	12\	'DC	24V	DC	48\	/DC			
Output Voltage	110VAC±5%	220VAC±5%	110VAC±5%	220VAC±5%	110VAC±5%	220VAC±5%			
USB Port			5V 2	.4A					
Frequency			50Hz±0.5 o	r 60Hz±0.5					
Output Waveform			Pure Sir	ie Wave					
Soft Start			YE	:S					
AC Regulation			THD<3%(L	inear Load)					
Output Efficiency			94%	Max					
DC Voltage Range	10-1	5.5V	20-31V		40-61V				
Low Voltage Alarm	10.5=	=0.5V	21±	0.5V	42±1V				
Low Voltage Shut Down	10±	0.5V	20±	0.5V	40=	±1V			
Low Voltage Recovery	13±	0.5V	24±	0.5V	48=	±1V			
Over Voltage Shut Down	15.5=	=0.5V	31±	0.5V	61=	±1V			
Over Voltage Recovery	14.85	=0.5V	29±	0.5V	59=	±1V			
Cooling Way			Intelligent (	Cooling Fan					
Working Temperature			-10°C -	+50°C					
Net Dimension			38.1*17*10.50	m (L $\times$ W $\times$ H)					
Inner Box Dimension			46*23.3*17.50	m (L $\times$ W $\times$ H)					
Meas./Ctn			47.5*47*36	.5cm /4pcs					
N.W./Unit			4.02	2kg					
G.W./Ctn			20.1	ôkgs					
Packing			Car	ton					
Warranty			2 Ye	ears					

#### E Model Display





Battery Level Battery Voltage &

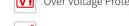




Normal Working

















Normal Working







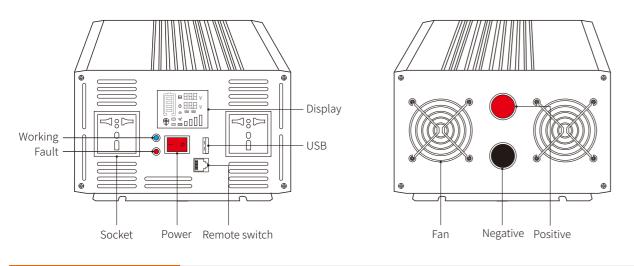
High-volt Protection

Overload Protection High-Temp Protection

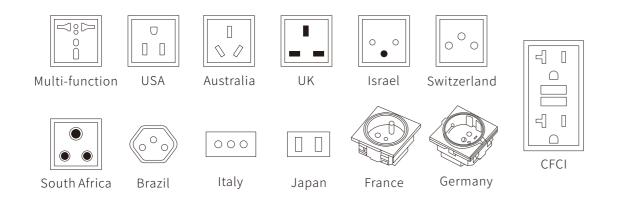




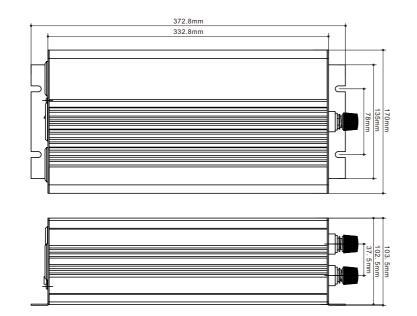
# 2000W



## Socket Customization

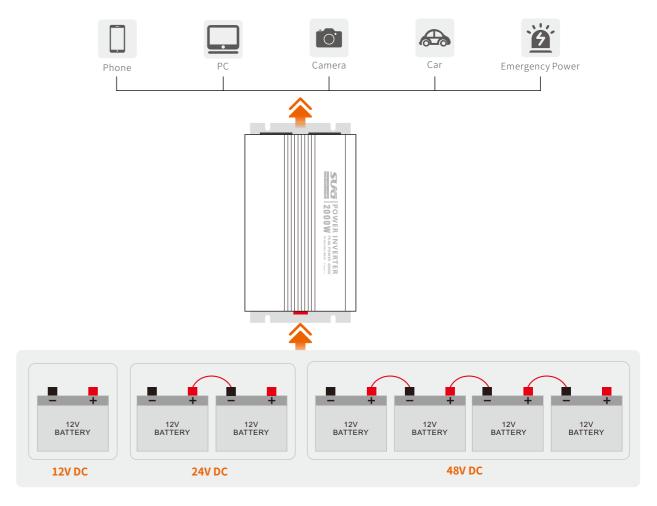


## Installation Dimensions



## Battery Connection Diagram

- ※ Pay attention to reverse connection



























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## Customization/optional Parts

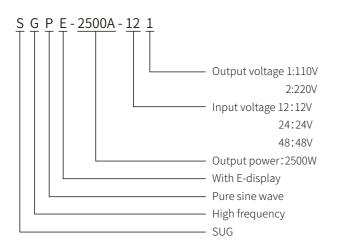
- \$\text{\colon}\$ Input voltage customization:36V/60V/72V/96V/110V
- ✓ E-Display

Frequency switch 50Hz/60Hz

✓ Wireless WiFi/Wire remote switch

- **RS485**

## Model Meaning



## brings warm & bright

## Technical Parameter

Model	SGPE-2000A-121	SGPE-2000A-122	SGPE-2000A-241	SGPE-2000A-242	SGPE-2000A-481	SGPE-2000A-482			
Rated Power	2000W								
Surge Power		4000W(Few seconds)							
Input Voltage	12\	'DC	24V	DC	48\	/DC			
Output Voltage	110VAC±5%	220VAC±5%	110VAC±5%	220VAC±5%	110VAC±5%	220VAC±5%			
USB Port			5V 2	.4A					
Frequency			50Hz±0.5 o	r 60Hz±0.5					
Output Waveform			Pure Sir	ie Wave					
Soft Start			YE	:S					
AC Regulation			THD<3%(L	inear Load)					
Output Efficiency			94%	Max					
DC Voltage Range	10-1	5.5V	20-31V		40-61V				
Low Voltage Alarm	10.5	=0.5V	21±	21±0.5V		±1V			
Low Voltage Shut Down	10±	0.5V	20±	20±0.5V		±1V			
Low Voltage Recovery	13±	0.5V	24±	0.5V	48=	±1V			
Over Voltage Shut Down	15.5	=0.5V	31±0.5V		61±1V				
Over Voltage Recovery	14.8	=0.5V	29±	0.5V	59=	±1V			
Cooling Way			Intelligent (	Cooling Fan					
Working Temperature			-10°C -	+50°C					
Net Dimension			44*17*10.5cr	n (L×W×H)					
Inner Box Dimension			51.5*23.3*17.5	cm (L×W×H)					
Meas./Ctn			51.5*23.3*1	7.5cm /4pcs					
N.W./Unit			4.76	5kg					
G.W./Ctn			22.5	2kgs					
Packing			Car	ton					
Warranty			2 Ye	ears					

#### E Model Display





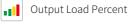


Battery Connected

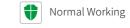
Battery Level Battery Voltage &

















Normal Working Low-volt Protection











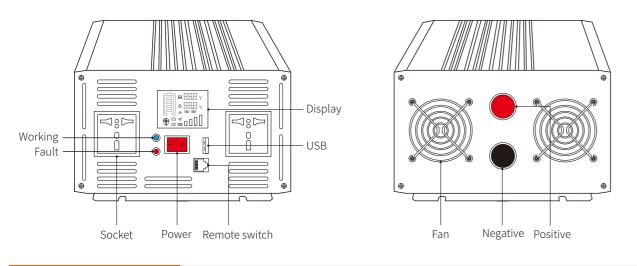
High-volt Protection Overload Protection

High-Temp Protection

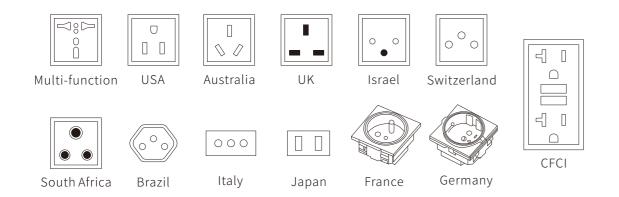




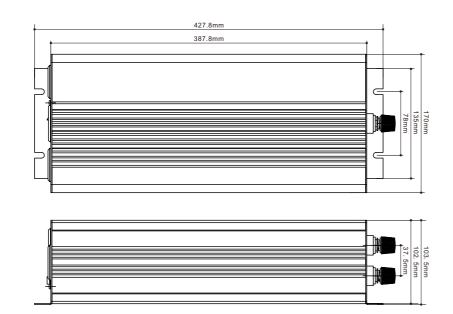
# 2500W



## Socket Customization

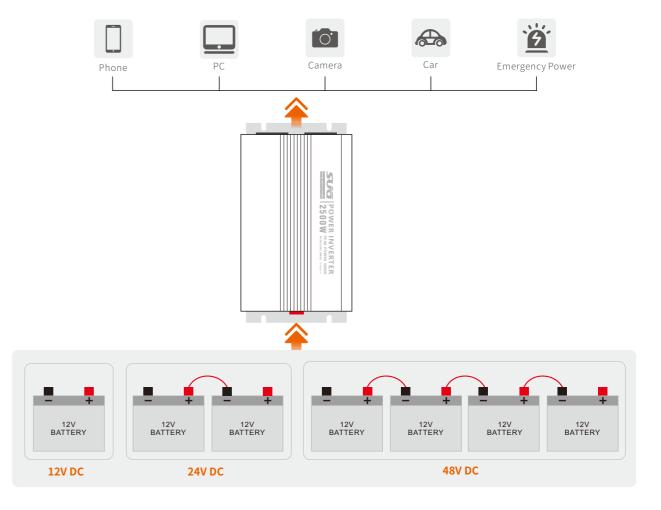


## Installation Dimensions



## Battery Connection Diagram

- $\divideontimes$  Pay attention to reverse connection



















12VDC

110VAC±5% 220VAC±5%

10-15.5V

10.5±0.5V

 $10 \pm 0.5 V$ 

 $13 \pm 0.5 V$ 

15.5±0.5V

14.8±0.5V

## brings warm & bright

48VDC

110VAC±5% 220VAC±5%

40-61V

42±1V

 $40\pm1V$ 

48±1V

61±1V

59±1V

## SGPE Series Pure Sine Wave Inverter







#### Producst Introduction

SGPE is high frequency pure sine wave inverter with E-display, original imported chip and MOSFET, dual ball temp controlled fans, visible data to realize smart, reliable, low noise, high quality output. We design and produce

## Customization/optional Parts

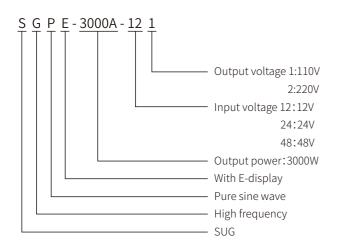
- \$\langle\$ Input voltage customization:36V/60V/72V/96V/110V
- ✓ E-Display

\$\insert \text{Frequency switch 50Hz/60Hz}\$

✓ Wireless WiFi/Wire remote switch

- **RS485**

## Model Meaning



## N.W./Unit G.W./Ctn

pure copper transformer, inductor by ourselves and meet all customer's demands. It can run all kinds of load stably and the pure sine wave form is better than electricity. At the same time, input and output lines are designed to be completely isolated to protect the system more safer.

## E Model Display

Technical Parameter

Model Rated Power

Surge Power Input Voltage

Output Voltage

Output Waveform

USB Port

Frequency

Soft Start

AC Regulation

Output Efficiency

DC Voltage Range

Low Voltage Alarm

Low Voltage Shut Down

Low Voltage Recovery

Over Voltage Shut Down

Over Voltage Recovery

Working Temperature

Inner Box Dimension

Cooling Way

Net Dimension

Meas./Ctn

Packing





**Battery Connected** 

Battery Voltage &

Battery Level

Note:Low voltage and over voltage can customized by lithium battery













Overload Protection



SGPE-3000A-121 SGPE-3000A-122 SGPE-3000A-241 SGPE-3000A-242 SGPE-3000A-481 SGPE-3000A-482

3000W

6000W(Few seconds)

24VDC

5V 2.4A

50Hz±0.5 or 60Hz±0.5

Pure Sine Wave

YES

THD<3%(Linear Load)

94% Max

20-31V

21±0.5V

20±0.5V

 $24 \pm 0.5 V$ 

 $31 \pm 0.5 V$ 

29±0.5V

Intelligent Cooling Fan

-10°C - +50°C

49.5\*19.9\*8.4cm (L×W×H)

60.8\*26\*14.7cm (L×W×H)

62.5\*53\*29.5cm/4pcs

6.1kg

30.44kgs

Carton

2 Years

220VAC±5%

110VAC±5%

Under Protection

Normal Working



## Over Temperature Protection

## Working Mode



Normal Working



Low-volt Protection



High-volt Protection





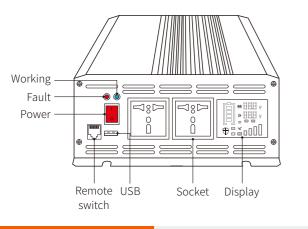
Overload Protection

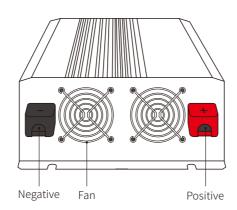
High-Temp Protection





# 3000W





## Socket Customization





USA



Australia





Japan



Israel

France







Multi-function



000

Italy



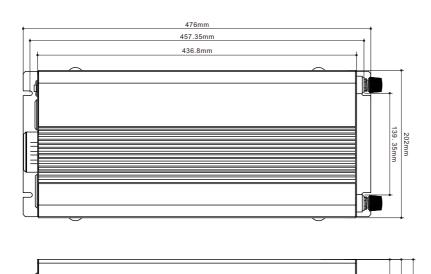






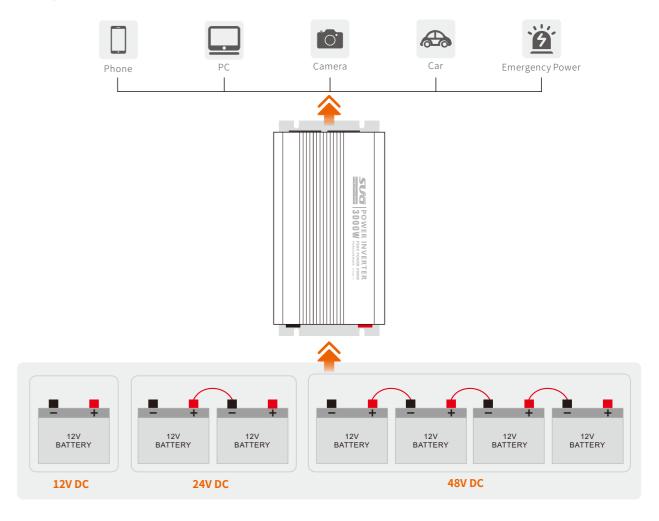
Installation Dimensions

South Africa



## Battery Connection Diagram

- ※ Pay attention to reverse connection























#### Producst Introduction

SGPE is high frequency pure sine wave inverter with E-display, original imported chip and MOSFET, dual ball temp controlled fans, visible data to realize smart, reliable, low noise, high quality output. We design and produce pure copper transformer, inductor by ourselves and meet all customer's demands. It can run all kinds of load stably and the pure sine wave form is better than electricity. At the same time, input and output lines are designed to be completely isolated to protect the system more safer.

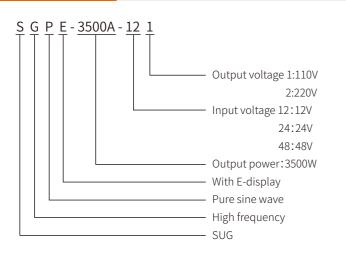
## Customization/optional Parts

- \$\times\$ Input voltage customization:36V/60V/72V/96V/110V
- Frequency switch 50Hz/60Hz
- **RS485**

## **✓** E-Display

✓ Wireless WiFi/Wire remote switch

## Model Meaning



## brings warm & bright

#### Technical Parameter

Model	SGPE-3500A-121	SGPE-3500A-122	SGPE-3500A-241	SGPE-3500A-242	SGPE-3500A-481	SGPE-3500A-48		
Rated Power	3500W							
Surge Power	7000W(Few seconds)							
Input Voltage	12\	/DC	24\	/DC	48\	/DC		
Output Voltage	110VAC±5%	220VAC±5%	110VAC±5%	220VAC±5%	110VAC±5%	220VAC±5%		
USB Port			5V 2	2.4A				
Frequency			50Hz±0.5 c	or 60Hz±0.5				
Output Waveform			Pure Sir	ne Wave				
Soft Start	YES							
AC Regulation		THD<3%(Linear Load)						
Output Efficiency			94%	Max				
DC Voltage Range	10-1	10-15.5V 20-31V		40-61V				
Low Voltage Alarm	10.5	±0.5V	21±	0.5V	42±1\			
Low Voltage Shut Down	10±0.5V		20±	0.5V	40=	±1V		
Low Voltage Recovery	13±	0.5V	24±	0.5V	48=	±1V		
Over Voltage Shut Down	15.5	±0.5V	31±0.5V		61±1V			
Over Voltage Recovery	14.8	±0.5V	29±	0.5V	59=	±1V		
Cooling Way			Intelligent (	Cooling Fan				
Working Temperature			-10°C -	+50°C				
Net Dimension			44*20*15cm	n (L×W×H)				
Meas./Ctn			56.5*30.8*2	24cm/1pcs				
N.W./Unit			8.9	2kg				
G.W./Ctn			10.7	′kgs				
Packing			Car	ton				
Warranty			2 Ye	ears				

## E Model Display







Battery Level

Battery Voltage &

AC Output Voltage







Normal Working













Normal Working



Low-volt Protection



High-volt Protection



Overload Protection

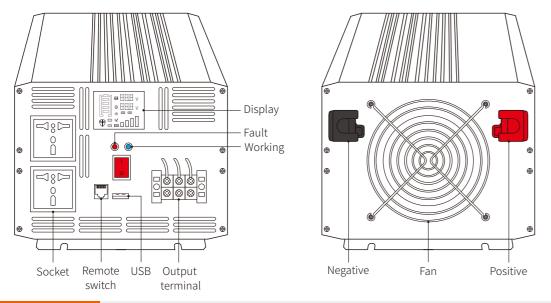


High-Temp Protection

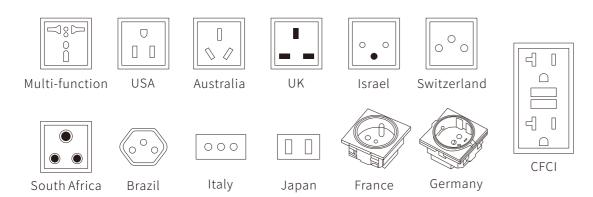




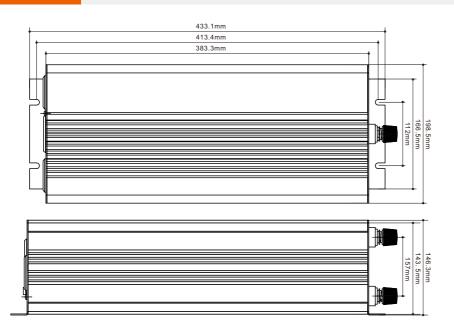
# 3500W



## Socket Customization

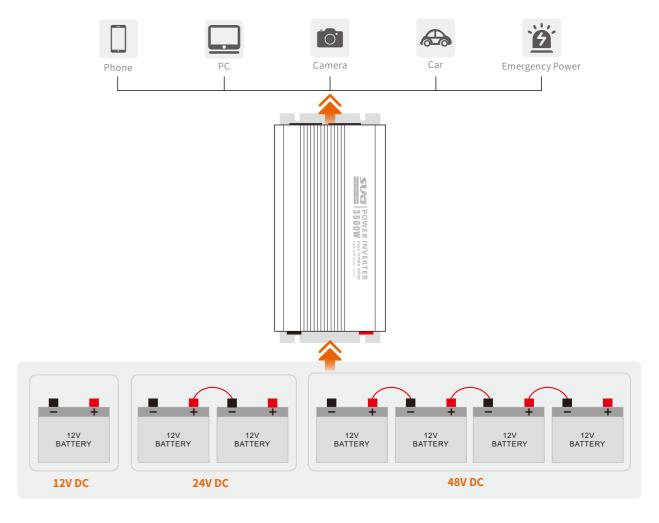


## Installation Dimensions



## Battery Connection Diagram

- ※ Pay attention to reverse connection























#### **Producst Introduction**

SGPE is high frequency pure sine wave inverter with E-display, original imported chip and MOSFET, dual ball temp controlled fans, visible data to realize smart, reliable, low noise, high quality output. We design and produce pure copper transformer, inductor by ourselves and meet all customer's demands. It can run all kinds of load stably and the pure sine wave form is better than electricity. At the same time, input and output lines are designed to be completely isolated to protect the system more safer.

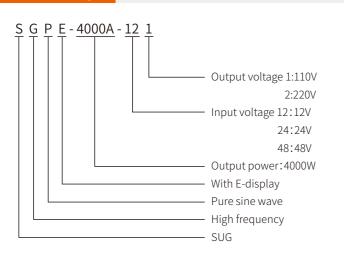
## Customization/optional Parts

- \$\times\$ Input voltage customization:36V/60V/72V/96V/110V
- Frequency switch 50Hz/60Hz
- **RS485**

## **✓** E-Display

✓ Wireless WiFi/Wire remote switch

## Model Meaning



## brings warm & bright

#### Technical Parameter

Model	SGPE-4000A-121	SGPE-4000A-122	SGPE-4000A-241	SGPE-4000A-242	SGPE-4000A-481	SGPE-4000A-48			
Rated Power	4000W								
Surge Power		8000W(Few seconds)							
Input Voltage	12\	/DC	24\/	'DC	48\	/DC			
Output Voltage	110VAC±5%	220VAC±5%	110VAC±5%	220VAC±5%	110VAC±5%	220VAC±5%			
USB Port			5V 2	2.4A					
Frequency			50Hz±0.5 o	r 60Hz±0.5					
Output Waveform			Pure Sir	ne Wave					
Soft Start		YES							
AC Regulation		THD<3%(Linear Load)							
Output Efficiency			94%	Max					
DC Voltage Range	10-1	10-15.5V		20-31V		61V			
Low Voltage Alarm	10.5±0.5V		21±	0.5V	42:	±1V			
Low Voltage Shut Down	10±	10±0.5V		0.5V	40=	±1V			
Low Voltage Recovery	13±	0.5V	24±0.5V		48=	±1V			
Over Voltage Shut Down	15.5	±0.5V	31±0.5V		61±1V				
Over Voltage Recovery	14.8=	±0.5V	29±	0.5V	59±1V				
Cooling Way			Intelligent (	Cooling Fan					
Working Temperature			-10°C -	+50°C					
Net Dimension			44*20*15cm	ı (L×W×H)					
Meas./Ctn			63.5*30.8*2	24cm /1pcs					
N.W./Unit			9.04	4kg					
G.W./Ctn			10.8	4kgs					
Packing			Car	ton					
Warranty			2 Ye	ears					

#### E Model Display







Battery Level

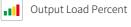
Battery Voltage &

AC Output Voltage



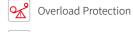


**V** Over Voltage Protection



Under Protection









Normal Working



High-volt Protection Low-volt Protection





Overload Protection

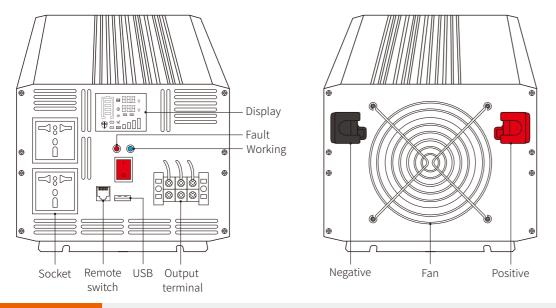


High-Temp Protection

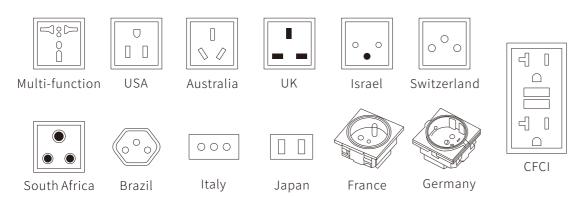




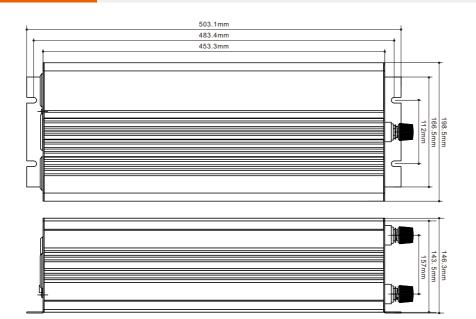
# 4000W



## Socket Customization

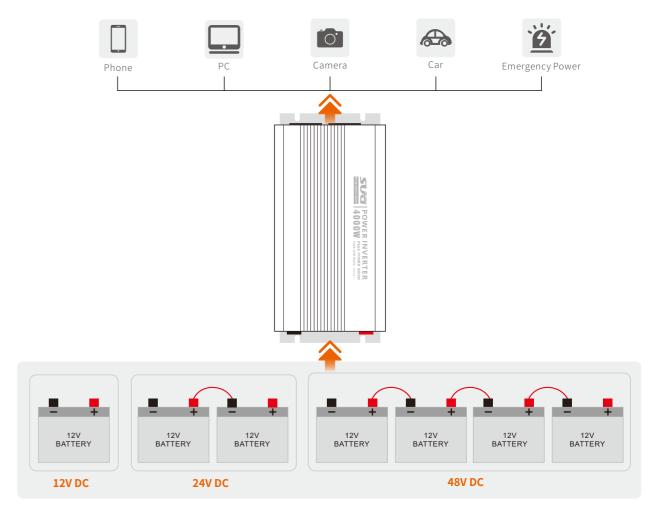


## Installation Dimensions



## Battery Connection Diagram

- ※ Pay attention to reverse connection





















#### **Producst Introduction**

SGPE is high frequency pure sine wave inverter with E-display, original imported chip and MOSFET, dual ball temp controlled fans, visible data to realize smart, reliable, low noise, high quality output. We design and produce pure copper transformer, inductor by ourselves and meet all customer's demands. It can run all kinds of load stably and the pure sine wave form is better than electricity. At the same time, input and output lines are designed to be completely isolated to protect the system more safer.

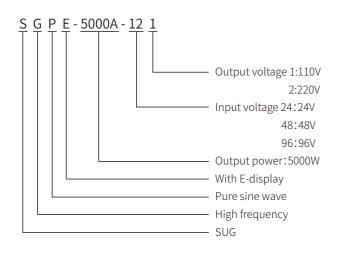
## Customization/optional Parts

- \$\times\$ Input voltage customization:36V/60V/72V/96V/110V
- Frequency switch 50Hz/60Hz
- **RS485**

## **✓** E-Display

✓ Wireless WiFi/Wire remote switch

## Model Meaning



## brings warm & bright

## Technical Parameter

Model	SGPE-5000A-121	SGPE-5000A-122	SGPE-5000A-241	SGPE-5000A-242	SGPE-5000A-481	SGPE-5000A-48			
Rated Power	5000W								
Surge Power	10000W(Few seconds)								
Input Voltage	24\	/DC	48\/	'DC	96\	/DC			
Output Voltage	110VAC±5%	220VAC±5%	110VAC±5%	220VAC±5%	110VAC±5%	220VAC±5%			
USB Port			5V 2	2.4A					
Frequency			50Hz±0.5 o	r 60Hz±0.5					
Output Waveform			Pure Sir	ne Wave					
Soft Start		YES							
AC Regulation		THD<3%(Linear Load)							
Output Efficiency			94%	Max					
DC Voltage Range	20-	31V	40-6	61V	80-1	.22V			
Low Voltage Alarm	21±	0.5V	42±	=1V	82±2V				
Low Voltage Shut Down	20±	0.5V	40±	=1V	80±2V				
Low Voltage Recovery	24±	0.5V	48±	=1V	96±2V				
Over Voltage Shut Down	31±	0.5V	61±	=1V	122:	±2V			
Over Voltage Recovery	29±	0.5V	59±	=1V	118:	±2V			
Cooling Way			Intelligent (	Cooling Fan					
Working Temperature			-10°C -	+50°C					
Net Dimension			51*20*15cm	ı (L×W×H)					
Meas./Ctn			63.5*30.8*2	24cm/1pcs					
N.W./Unit			10.1	.2kg					
G.W./Ctn			11.7	2kgs					
Packing			Car	ton					
Warranty			2 Ye	ears					

## E Model Display







Battery Level

Battery Voltage &

AC Output Voltage





Under Protection









## Working Mode



Normal Working



Low-volt Protection



High-volt Protection Overload Protection

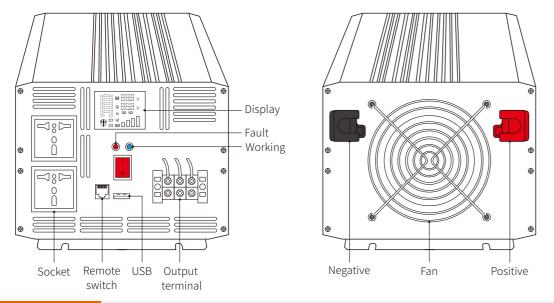


High-Temp Protection

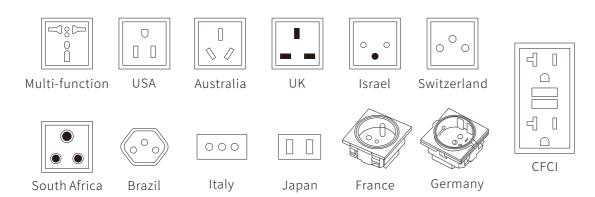




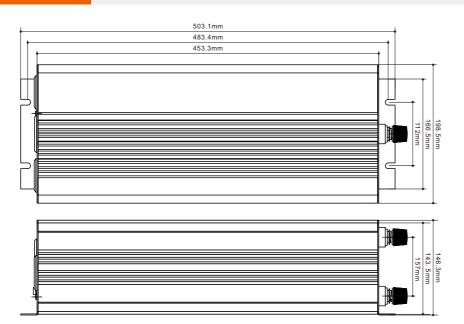
# 5000W



## Socket Customization

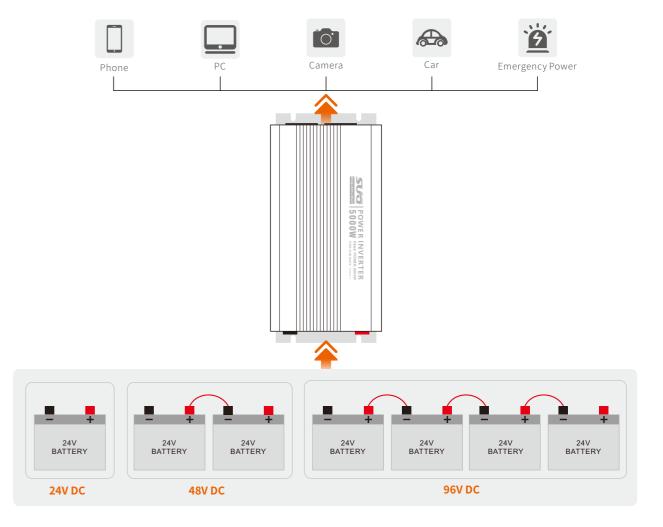


## Installation Dimensions



## Battery Connection Diagram

- ※ Pay attention to reverse connection





















#### Producst Introduction

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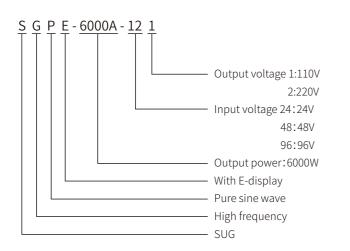
## Customization/optional Parts

- \$\times\$ Input voltage customization:36V/60V/72V/96V/110V
- Frequency switch 50Hz/60Hz
- **RS485**

## 

✓ Wireless WiFi/Wire remote switch

## Model Meaning



## brings warm & bright

## Technical Parameter

Model	SGPE-6000A-121	SGPE-6000A-122	SGPE-6000A-241	SGPE-6000A-242	SGPE-6000A-481	SGPE-6000A-48			
Rated Power		6000W							
Surge Power		12000W(Few seconds)							
Input Voltage	24V	'DC	48\	'DC	96\	/DC			
Output Voltage	110VAC±5%	220VAC±5%	110VAC±5%	220VAC±5%	110VAC±5%	220VAC±5%			
USB Port			5V 2	2.4A					
Frequency			50Hz±0.5 c	r 60Hz±0.5					
Output Waveform			Pure Sir	ne Wave					
Soft Start		YES							
AC Regulation			THD<3%(L	inear Load)					
Output Efficiency			94%	Max					
DC Voltage Range	20-3	20-31V 40-61V		61V	80-122V				
Low Voltage Alarm	21±0.5V		42 =	=1V	82±2V				
Low Voltage Shut Down	20±0.5V		40±	=1V	80=	±2V			
Low Voltage Recovery	24±	0.5V	48±	=1V	96:	±2V			
Over Voltage Shut Down	31±	0.5V	61=	=1V	122±2V				
Over Voltage Recovery	29±	0.5V	59±	=1V	118:	±2V			
Cooling Way			Intelligent (	Cooling Fan					
Working Temperature			-10°C -	+50°C					
Net Dimension			61*20*15cm	$(L \times W \times H)$					
Meas./Ctn			73.5*30.8*2	24cm /1pcs					
N.W./Unit			11.6	i2kg					
G.W./Ctn			13.4	4kgs					
Packing			Car	ton					
Warranty			2 Ye	ears					

#### E Model Display







Battery Connected

Battery Voltage &

AC Output Voltage

Battery Level











Under Protection





Over Temperature Protection

## Working Mode



Normal Working

Low-volt Protection





High-volt Protection





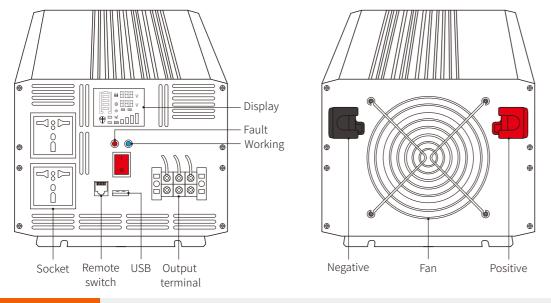
Overload Protection

High-Temp Protection

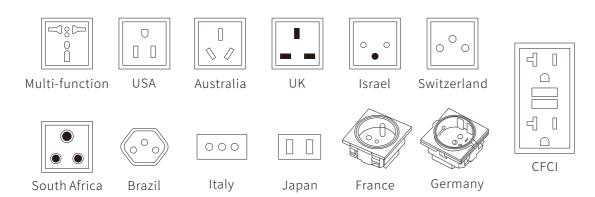




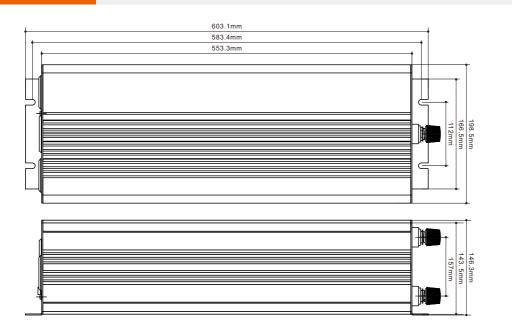
# 6000W



## Socket Customization

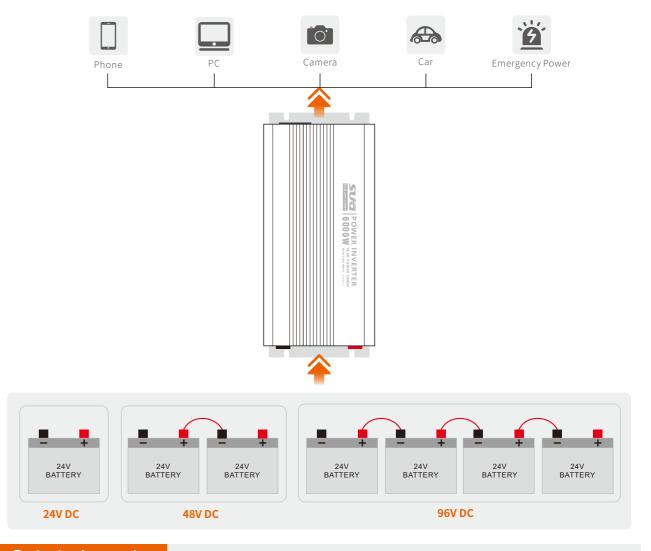


## Installation Dimensions



## Battery Connection Diagram

- ※ Pay attention to reverse connection





















## Producst Introduction

SGPE is high frequency pure sine wave inverter with E-display, original imported chip and MOSFET, dual ball temp controlled fans, visible data to realize smart, reliable, low noise, high quality output. We design and produce pure copper transformer, inductor by ourselves and meet all customer's demands. It can run all kinds of load stably and the pure sine wave form is better than electricity. At the same time, input and output lines are designed to be completely isolated to protect the system more safer.

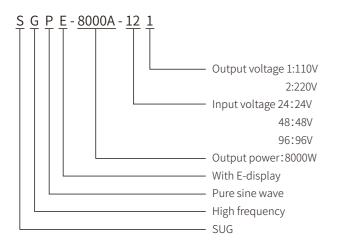
## Customization/optional Parts

- \$\times\$ Input voltage customization:36V/60V/72V/96V/110V
- Frequency switch 50Hz/60Hz
- **RS485**

## ✓ E-Display

✓ Wireless WiFi/Wire remote switch

## Model Meaning



## brings warm & bright

## Technical Parameter

Model	SGPE-8000A-241	SGPE-8000A-242	SGPE-8000A-481	SGPE-8000A-482	SGPE-8000A-961	SGPE-8000A-96			
Rated Power	8000W								
Surge Power		16000W(Few seconds)							
Input Voltage	24\	/DC	48\	/DC	96\	/DC			
Output Voltage	110VAC±5%	220VAC±5%	110VAC±5%	220VAC±5%	110VAC±5%	220VAC±5%			
USB Port			5V 2	2.4A					
Frequency			50Hz±0.5 c	or 60Hz±0.5					
Output Waveform			Pure Sir	ne Wave					
Soft Start		YES							
AC Regulation			THD<3%(L	inear Load)					
Output Efficiency			94%	Max					
DC Voltage Range	20-3	31V	40-	61V	80-122V				
Low Voltage Alarm	21±	0.5V	42 =	±1V	82±2V				
Low Voltage Shut Down	20±	0.5V	40±	±1V	80±2V				
Low Voltage Recovery	24±	0.5V	48±	±1V	96±2V				
Over Voltage Shut Down	31±	0.5V	61=	±1V	122:	±2V			
Over Voltage Recovery	29±	0.5V	59±	±1V	118:	±2V			
Cooling Way			Intelligent (	Cooling Fan					
Working Temperature			-10°C -	+50°C					
Net Dimension			61*20*15cn	$n(L \times W \times H)$					
Meas./Ctn			73.5*30.8*2	24cm /1pcs					
N.W./Unit			13.1	4kg					
G.W./Ctn			14.9	6kgs					
Packing			Car	ton					
Warranty			2 Ye	ears					

#### Protection









Temperature



Over Load

Protection



**Short Circuit** 

Protection



Polarity



Protection

Application Area

Low Voltage





Energy storage

Battery

Over Voltage



Office







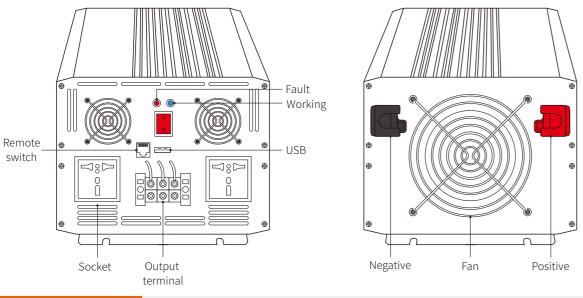


Communication

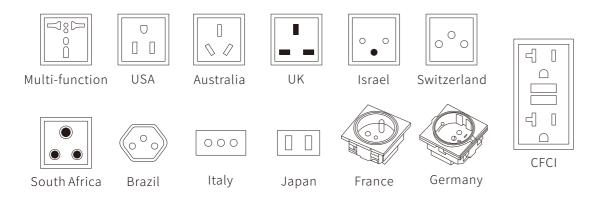




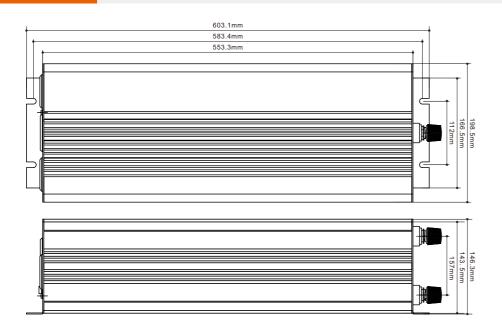
# W0008



## Socket Customization



## Installation Dimensions



## Battery Connection Diagram

- ※ Pay attention to reverse connection

