



Hand in hand, create green living

索尔 **SUOER**® Foshan Suoer Electronic Industry co.,ltd.

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MADE IN CHINA

If error all product pictures, the parameters involved in this sample, refer to the actual product, please understanding.

索尔 **SUOER**®

Five star quality, derived from suoer technology



Foshan Suoer Electronic Industry co.,ltd.

PRODUCT CATALOGUE



INTRODUCTION

INTRODUCTION

SUOER Electronic Industrial Company Limited is an integrated enterprise, which collects of electronic products research, development manufacturing and sales. Located at Dali town, Nanhai District, Foshan city, Guangdong Province, which is 20 kilometers away from Guangzhou with convenient transportation and beautiful environment. The company invested in construction of industrial park which covers an area of twenty thousand square meters with standard workshops, advanced production facilities, high standards of research and development buildings.

The company pushes forward many world's leading production, including power inverter, car power inverter, battery charger, power frequency inverter, scenery complementary control inverter, wind generator and other products.

The company with strong technical strength, excellent product quality has passed ROHS, CE, CAT and ISO9001:2000 Quality system certification and has the honor to get the China quality brand product certificate. There are a number of import and export companies which awarded SUOER as BOS. The products sell well in the domestic market and export to Africa, Americas, Europe, Southeast Asia and the Middle East, etc. As its mature product and perfect sales network, the popularity in this industry is increasing and the domestic and foreign customers are consistent affirmative the product quality. The brand "SUOER" goes deep into common aspiration of the people.

SUOER is with the spirit of "innovation and development, integrity win-win" and the principle of "technical refinement, unity upward, lay stress on benefit, common development", by virtue of strict management system and perfect after-sale service system, taking to create a famous industry Brand as its duty, trying its best to provide quality products and first-class services to the vast number of customers.

GLORY AND CERTIFICATE



RoHS Authentication



ISO9001:2000 Authentication



CTA Authentication



Certificate of high-quality brand-name products in china



CE Authentication

Outdoor power first choice



- Standby current less than 0.2ma
- 10-12 hours continuous lighting
- The battery power real-time display
- Provide greater than 5V 1A USB charging current

12V DC output to light 4PCS 3W led lamp.
USB output to charge mobile phones,mp3,mp4 and so on.

ST-A Series
(size)205X80X120mm



Technical data

Model	ST-A01	ST-A02	ST-A03	ST-A04
Battery Capacity	12V/4AH	12V/7AH	6V/4AH	12V/7AH
Charging Current Rating	3A			
DC Interface	2	4	2	4
DC Total Output	12V/2A			
Reverse Connect Protection	✓			
Output Protection	✓			
USB Output Interface	1			
USB Output	5V/1A			
USB Output Protection	✓			
Excitation Loss	5mA (AC:300mA)			
Standby loss	0.2mA			
Charging Circuit Pressure Drop	≤0.26V			
Discharge Circuit Voltage Drop	≤0.15V			
Battery Over-voltage Protection	1.7V			
Enhance the Charging Voltage	14.8V			
Charging Voltage	13.6V			
Even Charging Voltage	14.2V			
Float Charging Voltage	13.8V			
Charging Control Mode	PWM Pulse Width Modulation			
Discharge Cut-off Voltage	10.5V			
Restore Electricity Discharge	≤15%			
IR REMOTE				

The sphere of application



Far away from city, to find the new life.

ST-B02

Happiness comes from the value of a share



For outdoor
Live sound effects
With match 3 inch bullet's speaker, nice sound, even in outdoor, the sound effects
also nice.
No matter is high, middle or low, sound is perfect, and show you the music
experience of live, enjoy the music tour any time any where.



ST-B Series

(size)210X112X122 mm

Multi-function king
It is not only a portable solar power.

MP3/USB/SD+radio FM+LED
display+Memory function+Infrared
remote control function.

Power	10W+10W
Impedance	4 Ω
Frequency	40Hz-40KHz
sensitivity	90dB±2dB
S/N ratio	≥80dB
Distortion measure	≤0.3%
USB standard	USB2.0/1.0
Aux in	3.5mm
All code compatible	64 k~320K

Technical data

Model	ST-B01	ST-B02
Battery Capacity	12V/12AH	12V/4AH
Charging Current Rating	4A	3A
DC Interface	6	3
DC Total Output	12V/4A	12V/3A
Reverse Connect Protection		✓
Output Protection		✓
USB Output Interface	2	1
USB Output		5V/1A
USB Output Protection		✓
Excitation Loss		5mA (AC:300mA)
Standby loss		0.2mA
Charging Circuit Pressure Drop		≤0.26V
Discharge Circuit Voltage Drop		≤0.15V
Battery Over-voltage Protection		17V
Enhance the Charging Voltage		14.8V
Charging Voltage		13.6V
Even Charging Voltage		14.2V
Float Charging Voltage		13.8V
Charging Control Mode		PWM Pulse Width Modulation
Discharge Cut-off Voltage		10.5V
Restore Electricity Discharge		≤15%
IR REMOTE		✓

The sphere of application



SUOER solar power
I love travel



Global Care Share sunshine



Supply clean energy anytime anywhere



ST-B01
(size)210X112X122 mm



ST-C01
(size)260X100X195mm



ST-C02
(size)260X100X195mm

230V power mobile



Supply DC power for Digital products

Technical data

Model	ST-C01	ST-C02
Battery Capacity	12V/17AH	
Charging Current Rating	5A	
DC Interface	8	
DC Total Output	12V/5A	
Reverse Connect Protection	✓	
Output Protection	✓	
AC Output	220V~240V 150W (peak power) / 500 (output power)	
USB Output Interface	1	
Efficiency	>70%	
Output	5V/2A	
USB Output Interface	2	
Output	5V/2A	
USB Output Protection	✓	
Excitation Loss	5mA (AC:300mA)	
Standby loss	0.2mA	
Charging Circuit Pressure Drop	≤0.26V	
Discharge Circuit Voltage Drop	≤0.15V	
Battery Over-voltage Protection	17V	
Enhance the Charging Voltage	14.8V	
Charging Voltage	13.6V	
Even Charging Voltage	14.2V	
Float Charging Voltage	13.8V	
Charging Control Mode	PWM Pulse Width Modulation	
Discharge Cut-off Voltage	10.5V	
Restore Electricity Discharge	≤15%	
IR REMOTE		

The sphere of application





Supply for power cut

Supply for outdoor work

Ultua quiet solar generator

Application of mobile phone



Solar charging



Electric charge
AC:110V~240V



Suitable for television

Laptop computer

Application of fan

Application of electric drill

Suitable for DC lamp

ST-D01S (size)305X180X165mm

230V power mobile



Technical data

Model	ST-D01S
Battery Capacity	12V/24AH
Charging Current Rating	4A
DC Interface	DC:4
AC Output	AC:220V/350W/50HZ
DC Total Output	DC:12V/3A
Reverse Connect Protection	✓
Output Protection	✓
USB Output Interface	2
USB Output	5V/2A
USB Output Protection	✓
Excitation Loss	5mA (AC:300mA)
Standby loss	0.2mA
Charging Circuit Pressure Drop	≤0.26V
Discharge Circuit Voltage Drop	≤0.15V
Battery Over-voltage Protection	17V
Enhance the Charging Voltage	14.8V
Charging Voltage	13.6V
Even Charging Voltage	14.2V
Float Charging Voltage	13.8V
Charging Control Mode	PWM Pulse Width Modulation
Discharge Cut-off Voltage	10.5V
Restore Electricity Discharge	≤15%
The AC input voltage	110V~240V

The sphere of application



High efficiency solar / electric interactive generator



What is the interactive engine?

Suoer ST-D02 solar / electric interactive generator is a small power system. Is the city power supply, intelligent management of a solar powered by blending control system, automatic electricity and solar power priority control. In the livestock battery $\geq 80\%$ state, batteries power supply priority, when the battery power supply to the remaining $<50\%$, battery power supply will be disabled, conversion to electricity supply. To achieve the user side intelligent and effective use of electricity and power supply management, for the user to save every penny.

Best sunny in line system

ST-D02S
(size)305X180X165mm



230V power mobile



Technical data

Model	ST-D02S
Battery Capacity	12V/24AH
Charging Current Rating	4A
DC Interface	DC:4
AC Output	AC:220V/350W/50HZ
DC Total Output	DC:12V/3A
Reverse Connect Protection	✓
Output Protection	✓
USB Output Interface	2
USB Output	5V/2A
USB Output Protection	✓
Excitation Loss	5mA (AC:300mA)
Standby loss	0.2mA
Charging Circuit Pressure Drop	$\leq 0.26V$
Discharge Circuit Voltage Drop	$\leq 0.15V$
Battery Over-voltage Protection	17V
Enhance the Charging Voltage	14.8V
Charging Voltage	13.6V
Even Charging Voltage	14.2V
Float Charging Voltage	13.8V
Charging Control Mode	PWM Pulse Width Modulation
Discharge Cut-off Voltage	10.5V
Restore Electricity Discharge	$<15\%$
The AC input voltage	110V~240V

The sphere of application





Technical data

Model	ST-G1205	ST-G1210	ST-G1215	ST-G1220	ST-G1230	SW-1230
Rated Charging Power	60W	120W	180W	240W	360W	360W
Charging Current Rating	5A	10A	15A	20A	30A	30A
Battery Voltage	12V / 24V					
Charging Voltage	13.6V / 27.2V					
Float Charging Voltage	13.8V / 27.6V					
Discharge Cut-off Voltage	10.5V / 21V					
Battery Over-voltage Protection	17V / 34V					
Output Protection	>1.25 times rated current 60s protection					
	>1.5 times rated current 5s protection					
	>3 times rated current straightway protection					
	>Short circuit immediately protection					
Discharge Cut-off Voltage	10mA					
Standby loss	0.2mA					
Charging Circuit Pressure Drop	≤0.26V					
Discharge Circuit Voltage Drop	≤.15V					
Charging Control Mode	PWM Pulse Width Modulation					
LCD						
USB Output	✓					
	5V / 2A					



ST-G1205



SW-1230/30A

Smart inverter
Enjoy the quiet time



Aerospace-grade silence technology
smart fan with energy saving



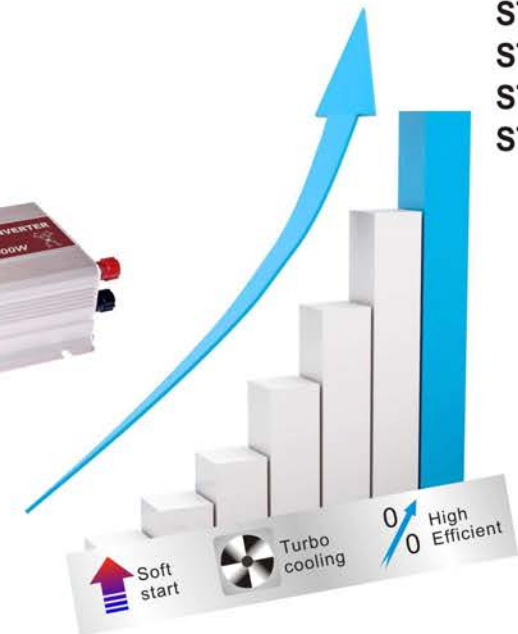
Smart power starting



Energy saving control microcomputer



Power display, battery electric power display



STA-1000A
STA-1000B
STA-500A
STA-500B

Technical data

Model		STA-500A	STA-500B	STA-1000A	STA-1000B
Output	Output voltage	AC230V	AC230V	AC230V	AC230V
	output power	400W	400W	650W	650W
	Peak power	500W	500W	1000W	1000W
	Frequency	50Hz	50Hz	50Hz	50Hz
	USB	DC5V 1A	DC5V 1A	DC5V 1A	DC5V 1A
Input	no-load current	<0.3A	<0.2A	<0.5A	<0.3A
	working volt	DC12V	DC24V	DC12V	DC24V
	voltage range	10.5-15V	21-30V	10.5-15V	21-30V
	Alarm voltage	10.5V	21V	10.5V	21V
	low-voltage protection	10V	20.5V	10V	20.5V
	overvoltage protection	16V	31V	16V	31V
	Efficiency	>85%	>85%	>85%	>85%
product size		18X11.2X5.5cm		22.5X11.2X5.5cm	
Weight		0.56Kg		0.81Kg	

The sphere of application





The solution without electricity, electricity is difficult, it can



FPC300A/B/F
(size)195X95X55 mm



Technical data

Model	FPC-300A	FPC-300B	FPC-300F
Peak power	600W (1S)		
Rated power	300W		
Output waveform	Pure sine wave		
Output voltage	220V/230±5V		
Harmonic distortion	< 3% (Impedance load)		
Output frequency	50HZ (or 60HZ)		
Standby current	< 0.8A	< 0.4A	< 0.3A
Conversion efficiency	Maximum 94%		
Rated voltage	12V	24V	< 48V
Maximum input current	32A	16A	8A
Input voltage range	9V-16V	18V-32V	38V-62V
Under voltage protection	9.5±0.5V	19.9V±0.2V	40.2V±0.2V
Under voltage tip	10.2±0.5V	20.9V±0.2V	42.2V±0.2V
Under pressure recovery	12.5±0.5V	24.7V±0.2V	48.2V±0.2V
Over voltage protection	15±0.5V	30.2V±0.2V	60.4V±0.2V
Over voltage recovery	14.8±0.5V	29.8V±0.2V	60.1V±0.2V
High temperature protection	Buzzer/LED warning		
Output short circuit protection	Buzzer/LED warning		
Output overload	Smart control		
Load power factor	0.98		
USB Output	5V1000mA		
Battery reverse protection	Fuse protection		
Cooling way	Temperature control		
Working temperature	-20~60℃		
Storage temperature	-20~80℃		
Working humidity	10~90% (No condensation)		
Product size(mm)	195X95X55 mm		
N.W/G.W(kg)	0.69Kg		

The sphere of application





Max power 2000W



Easy to start the motor load



Modern science and technology to create the green energy-saving inverter series

Always adhere to the "innovation and development, technical refinement," as the development idea of virtue, to green energy-saving based on present to you a series of high-quality green energy-saving inverter electrical appliances, from the material, process, design, and other aspects of careful research, durable, low loss, high efficiency, intelligent reliable inverter series, each high-quality goods, for you make use of environmental green energy-saving appliances.

FPC1000A/B/F
(size)325X180X85mm



Technical data

Model	FPC-1000A	FPC-1000B	FPC-1000F
Peak power	2000W (1S)		
Rated power	1000W		
Output waveform	Pure sine wave		
Output voltage	220V/230±5V		
Harmonic distortion	< 3% (Impedance load)		
Output frequency	50HZ (or 60HZ)		
Standby current	< 0.9A	< 0.4A	< 0.3A
Conversion efficiency	Maximum 94%		
Rated voltage	12V	24V	< 48V
Maximum input current	120A	60A	30A
Input voltage range	9V-16V	18V-32V	38V-62V
Under voltage protection	9.5±0.5V	19.9V±0.2V	40.2V±0.2V
Under voltage tip	10.2±0.5V	20.9V±0.2V	42.2V±0.2V
Under pressure recovery	12.5±0.5V	24.7V±0.	48.2V±0.2V
Over voltage protection	15±0.5V	30.2V±0.2V	60.4V±0.2V
Over voltage recovery	14.8±0.5V	29.8V±0.2V	60.1V±0.2V
High temperature protection	Buzzer/LED warning		
Output short circuit protection	Buzzer/LED warning		
Output overload	Smart control		
Load power factor	0.98		
USB Output	5V1000mA		
Battery reverse protection	Fuse protection		
Cooling way	Temperature control		
Working temperature	-20~60℃		
Storage temperature	-20~80℃		
Working humidity	10~90% (No condensation)		
Product size(mm)	325X180X85mm		
N.W/G.W(kg)	2.77Kg		

The sphere of application





FPC-2000A/B/F
(size)365X180X85mm



FPC-2500A/B/F
(size)405X180X85mm



Technical data

Model	FPC-2000A	FPC-2000B	FPC-2000F
Peak power		4000W (1S)	
Rated power		2000W	
Output waveform		Pure sine wave	
Output voltage		220V/230±5V	
Harmonic distortion		< 3% (Impedance load)	
Output frequency		50HZ (or 60HZ)	
Standby current	< 0.9A	< 0.7A	< 0.5A
Conversion efficiency		Maximum 94%	
Rated voltage	12V	24V	< 48V
Maximum input current	250A	125A	62.5A
Input voltage range	9V-16V	18V-32V	38V-62V
Under voltage protection	9.5±0.5V	19.9V±0.2V	40.2V±0.2V
Under voltage tip	10.2±0.5V	20.9V±0.2V	42.2V±0.2V
Under pressure recovery	12.5±0.5V	24.7V±0.2V	48.2V±0.2V
Over voltage protection	15±0.5V	30.2V±0.2V	60.4V±0.2V
Over voltage recovery	14.8±0.5V	29.8V±0.2V	60.1V±0.2V
High temperature protection		Buzzer/LED warning	
Output short circuit protection		Buzzer/LED warning	
Output overload		Smart control	
Load power factor		0.98	
USB Output		5V1000mA	
Battery reverse protection		Fuse protection	
Cooling way		Temperature control	
Working temperature		-20~60℃	
Storage temperature		-20~80℃	
Working humidity		10~90% (No condensation)	
Product size(mm)		365X180X85mm	
N.W/G.W(kg)		4.78Kg	

The sphere of application



Technical data

Model	FPC-2500A	FPC-2500B	FPC-2500F
Peak power		5000W (1S)	
Rated power		2500W	
Output waveform		Pure sine wave	
Output voltage		220V/230±5V	
Harmonic distortion		< 3% (Impedance load)	
Output frequency		50HZ (or 60HZ)	
Standby current	< 0.9A	< 0.7A	< 0.5A
Conversion efficiency		Maximum 94%	
Rated voltage	12V	24V	< 48V
Maximum input current	250A	125A	62.5A
Input voltage range	9V-16V	18V-32V	38V-62V
Under voltage protection	9.5±0.5V	19.9V±0.2V	40.2V±0.2V
Under voltage tip	10.2±0.5V	20.9V±0.2V	42.2V±0.2V
Under pressure recovery	12.5±0.5V	24.7V±0.2V	48.2V±0.2V
Over voltage protection	15±0.5V	30.2V±0.2V	60.4V±0.2V
Over voltage recovery	14.8±0.5V	29.8V±0.2V	60.1V±0.2V
High temperature protection		Buzzer/LED warning	
Output short circuit protection		Buzzer/LED warning	
Output overload		Smart control	
Load power factor		0.98	
USB Output		5V1000mA	
Battery reverse protection		Fuse protection	
Cooling way		Temperature control	
Working temperature		-20~60℃	
Storage temperature		-20~80℃	
Working humidity		10~90% (No condensation)	
Product size(mm)		405X180X85mm	
N.W/G.W(kg)		4.78Kg	

The sphere of application



FPC-3000A/B/F
(size)470X180X85mm



Technical data

Model	FPC-3000B	FPC-3000F
Peak power	6000W (1S)	
Rated power	3000W	
Output waveform	Pure sine wave	
Output voltage	220V/230±5V	
Harmonic distortion	< 3% (Impedance load)	
Output frequency	50HZ (60HZ)	
Standby current	< 0.8A	< 0.5A
Conversion efficiency	Maximum 94%	
Rated voltage	24V	48V
Maximum input current	150A	75A
Input voltage range	18V-32V	38V-62V
Under voltage protection	19.9V±0.2V	40.2V±0.2V
Under voltage tip	20.9V±0.2V	42.2V±0.2V
Under pressure recovery	24.7V±0.2V	48.2V±0.2V
Over voltage protection	30.2V±0.2V	60.4V±0.2V
Over voltage recovery	29.8V±0.2V	60.1V±0.2V
High temperature protection	Buzzer/LED warning	
Output short circuit protection	Buzzer/LED warning	
Output overload	Smart control	
Load power factor	0.98	
USB Output	5V1000mA	
Battery reverse protection	Fuse protection	
Cooling way	Temperature control	
Working temperature	-20~60℃	
Storage temperature	-20~80℃	
Working humidity	10~90% (No condensation)	
Product size(mm)	470X180X85cm	
N.W/G.W(kg)	5.33Kg	

The sphere of application



>> Six safe protection, with auto protection to avoid damaging the car, load(electrical equipment) and inverter.

Output short circuit protection / Battery reverse protection / Over voltage protection / Under voltage protection / Output overload / High temperature protection

FPC500A/B/F
(size)225X95X55 mm



Technical data

Model	FPC-500A	FPC-500B	FPC-500F
Peak power	1000W (1S)		
Rated power	500W		
Output waveform	Pure sine wave		
Output voltage	220V/230±5V		
Harmonic distortion	< 3% (Impedance load)		
Output frequency	50HZ (or 60HZ)		
Standby current	< 1A	< 0.5A	< 0.3A
Conversion efficiency	Maximum 94%		
Rated voltage	12V	24V	< 48V
Maximum input current	52A	26A	12.5A
Input voltage range	9V-16V	18V-32V	38V-62V
Under voltage protection	9.5±0.5V	19.9V±0.2V	40.2V±0.2V
Under voltage tip	10.2±0.5V	20.9V±0.2V	42.2V±0.2V
Under pressure recovery	12.5±0.5V	24.7V±0.2V	48.2V±0.2V
Over voltage protection	15±0.5V	30.2V±0.2V	60.4V±0.2V
Over voltage recovery	14.8±0.5V	29.8V±0.2V	60.1V±0.2V
High temperature protection	Buzzer/LED warning		
Output short circuit protection	Buzzer/LED warning		
Output overload	Smart control		
Load power factor	0.98		
USB Output	5V1000mA		
Battery reverse protection	Fuse protection		
Cooling way	Temperature control		
Working temperature	-20~60℃		
Storage temperature	-20~80℃		
Working humidity	10~90% (No condensation)		
Product size(mm)	225X95X55mm		
N.W/G.W(kg)	0.84Kg		

The sphere of application



SUB-1500A



- Smart fan, Fan controlled by the load.
- Low standby power cost, High conversion efficiency.
- Perfect input . Output protection . High reliability.
- Humanized USB (1000mA) charging socket. more.



Technical data

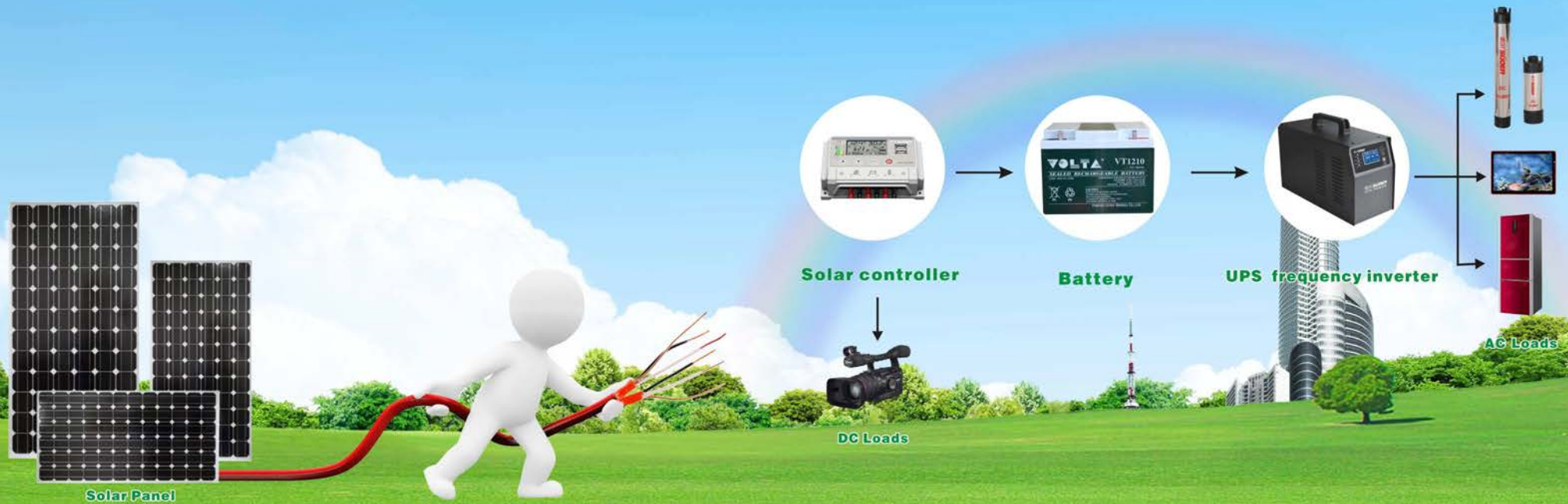
Model	Output voltage	output power	Peak power	Frequency	USB output	no-load current	working volt	voltage range	Efficiency	product size	Weight
SUB-500A	AC220V	500W	1000W	50Hz	1000mA	<0.3A	DC12V	10.5-15V	>90%	18X9.5X5.5cm	0.54Kg
SUB-500B	AC220V	500W	1000W	50Hz	1000mA	<0.3A	DC24V	21-30V	>90%	18X9.5X5.5cm	0.54Kg
SUB-500F	AC220V	500W	1000W	50Hz	1000mA	<0.3A	DC48V	42-60V	>90%	18X9.5X5.5cm	0.54Kg
SUB-1000A	AC220V	1000W	2000W	50Hz	1000mA	<0.3A	DC12V	10.5-15V	>90%	22X9.5X5.5cm	0.74Kg
SUB-1000B	AC220V	1000W	2000W	50Hz	1000mA	<0.3A	DC24V	21-30V	>90%	22X9.5X5.5cm	0.74Kg
SUB-1000F	AC220V	1000W	2000W	50Hz	1000mA	<0.3A	DC48V	42-60V	>90%	22X9.5X5.5cm	0.74Kg
SUB-1500A	AC220V	1500W	3000W	50Hz	1000mA	<0.3A	DC12V	10.5-15V	>90%	24X9.5X5.5cm	0.90Kg
SUB-1500B	AC220V	1500W	3000W	50Hz	1000mA	<0.3A	DC24V	21-30V	>90%	24X9.5X5.5cm	0.90Kg
SUB-1500F	AC220V	1500W	3000W	50Hz	1000mA	<0.3A	DC48V	42-60V	>90%	24X9.5X5.5cm	0.90Kg
TM-1500A	AC220V	1500W	3000W	50Hz	1000mA	<0.3A	DC12V	10.5-15V	>90%	24X9.5X5.5cm	0.90Kg

The sphere of application





Absorb natural energy Protect the earth





HPA-500/1000
(size)338X146X215 mm

HPA-500CT/1000CT
(size)338X146X215 mm



Technical data

Model	HPA-500	HPA-1000
Capacity (W)	500W	800W
AC input	AC145~275V	
Frequency	50Hz±10%	
DC input	DC12V / DC24V / DC48V	
Low-voltage protection	DC10.5V / DC21V / DC42V	
Overvoltage protection	DC15V / DC28V / DC60V	
AC output	AC220V±5% 190-240V	
Frequency	50±0.5Hz	
Waveform	(≤3%) Sinewave	
Efficiency	≥80% (DC TO AC)	
Dimensions(cm)	338X146X215	
Charge	Maximum charge current 15A could change according to customer requirement	
Charge efficiency	8~12hours, recharge90%	
Conversion time	≤4ms	
Protect	Overload, short circuit, battery of high and low voltage protection	
Alarm	Overload, short circuit, battery of high and low voltage protection	
Display	When the voltage of battery get to the point of close, the solid libecome slow to faster, till the equipment's been automatically switched off. Under commercial electricity, it displays electricity working status, loading and charging state, if in battery mode, the battery working status and capacity will be displayed	
Environment	Noise	≤45dB
Temperature	0℃~+40℃	
Humidity	10%~+90%	

The sphere of application



Inside place solar controller



Technical data

Model	HPA-500CT	HPA-1000CT
Capacity (W)	500W	800W
AC input	AC145~275V	
Frequency	50Hz±10%	
Solar charger	20A	
DC input	DC12V / DC24V / DC48V	
Low-voltage protection	DC10.5V / DC21V / DC42V	
Overvoltage protection	DC15V / DC28V / DC60V	
AC output	AC220V±5% 190-240V	
Frequency	50±0.5Hz	
Waveform	(≤3%) Sinewave	
Efficiency	≥80% (DC TO AC)	
Dimensions(cm)	338X146X215	
Charge	Maximum charge current 15A could change according to customer requirement	
Charge efficiency	8~12hours, recharge90%	
Conversion time	≤4ms	
Protect	Overload, short circuit, battery of high and low voltage protection	
Alarm	Overload, short circuit, battery of high and low voltage protection	
Display	When the voltage of battery get to the point of close, the solid libecome slow to faster, till the equipment's been automatically switched off. Under commercial electricity, it displays electricity working status, loading and charging state, if in battery mode, the battery working status and capacity will be displayed	
Environment	Noise	≤45dB
Temperature	0℃~+40℃	
Humidity	10%~+90%	

The sphere of application



DIGITAL DISPLAY CHARGER

NEW PRODUCT



Technical data

Model	input voltage	Rated voltage	Constant charge current	Constant charge voltage
SON-10A	AC220V $\pm$ 10% 50Hz	6V/12V	10A $\pm$ 5%	6.8V/13.6V
SON-20A	AC220V $\pm$ 10% 50Hz	12V/24V	20A $\pm$ 5%	13.6V/27.8

HDA Series



HDA-1000A/B



HDA-1500A/B



HDA-2500A/B



HDA-3000A/B



HDA-1000C/D



HDA-1500C/D



HDA-2500C/D



HDA-3000C/D

Technical data:

Model	HDA-1000A HDA-1000B	HDA-1500A HDA-1500B	HDA-2000A HDA-2000B	HDA-2500A HDA-2500B	HDA-3000A HDA-3000B
Input voltage	●12V □24V (A series is 12V input, B series is 24V input)				
Output voltage	220V~240V				
Rated power	1000W	1500W	2000W	2500W	3000W
Peak power	2000W	3000W	4000W	5000W	6000W
Efficiency	>90%				
Protection	Overload protection, Input over-voltage protection, Input low-voltage protection, Over-temperature protection				
Packed Qty	4 PCS				
Protection	265*175*125	315*175*125	335*175*125	405*175*125	455*175*125mm
N.W	3.5 kg	4.0 kg	4.6 kg	5.3 kg	6.0 kg
Certification	ISO, CTA, CE				

Technical data:

Model	HDA-1000C HDA-1000D	HDA-1500C HDA-1500D	HDA-2000C HDA-2000D	HDA-2500C HDA-2500D	HDA-3000C HDA-3000D
Input voltage	●12V 24V (C series is 12V input, Dseries is 24V input)				
Output voltage	220V~240V				
Rated power	1000W	1500W	2000W	2500W	3000W
Peak power	2000W	3000W	4000W	5000W	6000W
Efficiency	>90%				
Charge Current	20A (with charge and UPS)				
Protection	Overload protection, Input over-voltage protection, Input low-voltage protection, Over-temperature protection				
Packed Qty	4 PCS				
Dimensions	265*175*125	315*175*125	335*175*125	405*175*125	455*175*125mm
N.W	3.5 kg	4.0 kg	4.6 kg	5.3 kg	6.0 kg
Certification	ISO, CTA, CE				

The sphere of application



MDA Series



Technical data:

Model	MDA-500A MDA-500B	MDA-600A MDA-600B	MDA-1000A MDA-1000B	MDA-1100A MDA-1100B	MDA-1300A MDA-1300B
Input Voltage	●12V 24V (A series is 12V input,B series is 24V input)				
Output Voltage	220V				
Rated Power	500W	600W	1000W	1100W	1300W
Peak Power	1000W	1200W	2000W	2200W	2600W
Efficiency	>90%				
Protection	Overload protection,Input over-voltage protection, Input low-voltage protection,Over-temperature protection				
Packed Qty	8PCS				
Dimensions	205*120*60	205*120*60	245*120*60	245*120*60	295*120*60mm
N.W	0.94kg	0.94kg	1.27kg	1.4kg	1.5kg
Certification	ISO, CTA, CE				

MAD-1220A



MA-1204A



Technical data:

Model	MAD-1220	MA-1204(MA-1220)
Input voltage	220V~240V	
Rated frequency	47~63HZ	
Full load efficiency	≥91%	
Charge current	20A	
Output voltage	12V	
Packed Qty	8PCS	
Dimensions	190*130*60mm	
N.W	0.6kg	1.03kg
Charge mode	three-steps	four-steps
Certification	ISO, CTA, CE	

The sphere of application



LDA Series



Technical data:

Model	LDA-1000C	LDA-1000D
Input voltage	●12V ○24V (C series is 12V input,D series is 24V input)	
Output voltage	220V~240V	
Rated power	1000W	
Peak Power	2000W	
Efficiency	>90%	
Charge Current	10~12A	
Protection	Overload protection,Input over-voltage protection, Input low-voltage protection,Over-temperature protection	
Packed Qty	4 PCS	
Dimensions	422*193*70mm	
N.W	3.4kg	
Certification	ISO、CTA、CE	

The sphere of application



SDA Series



SDA-300A/B



SDA-350A/B



SDA-600A/B



SDA-800A/B



Technical data:

Technical data							
Model	SDA-300A	SDA-350A	SDA-400A	SDA-500A	SDA-600A	SDA-800A	SDA-1000A
	SDA-300B	SDA-350B	SDA-400B	SDA-500B	SDA-600B	SDA-800B	SDA-1000B
Input Voltage	●12V ○24V (A series is 12V input,B series is 24V input)						
Output Voltage	220V~240V						
Rated Power	300W	350W	400W	500W	600W	800W	1000W
Peak Power	600W	700W	800W	1000W	1200W	1600W	2000W
Efficiency	>70%						
Protection	Overload protection,Input over-voltage protection, Input low-voltage protection,Over-temperature protection						
Packed Qty	20PCS						
Dimensions	300W-600W: 160*95*54mm				800W-1000W: 200*95*54mm		
N.W	300W-600W: 0.54kg				800W-1000W: 0.77kg		
Certification	ISO、CTA、CE						

The sphere of application



SAA Series



The packing style

Technical data:

Model	SAA-500A SAA-500B	SAA-1000A SAA-1000B
Input Voltage	●12V 24V (A series is 12V input,B series is 24V input)	
Output Voltage	220V~240V	
Rated Power	500W	1000W
Peak Power	1000W	2000W
Efficiency	>70%	
Protection	Overload protection,Input over-voltage protection, Input low-voltage protection,Over-temperature protection	
Packed Qty	20PCS	
Dimensions	160*95*55mm	200*9.5*5.5mm
N.W	0.8kg	1.03kg
Certification	ISO, CTA, CE	

The sphere of application



FDA Series



DC12V-AC110V Output



Battery reverse protection



FDA-600A/B

The packing style



Technical data:

Model	FDA-500A-110 FDA-500B-110	FDA-600A FDA-600B	FDA-1000A FDA-1000B
Input Voltage	●12V 24V (A series is 12V input,B series is 24V input)		
Output Voltage	110V	220V~240V	
Rated Power	500W	600W	1000W
Peak Power	1000W	1200W	2000W
Efficiency	>90%		
Function	Reverse battery + - protection		
Protection	Overload protection,Input over-voltage protection, Input low-voltage protection,Over-temperature protection		
Packed Qty	6PCS		
Dimensions	210*145*80mm	210*145*80mm	286*145*80mm
N.W	1.13kg	1.03kg	1.49kg
Certification	ISO, CTA, CE		

The sphere of application





FAA Series



Battery reverse protection



The packing style



Technical data:

Model	FAA-350A FAA-350B	FAA-500A FAA-500B	FAA-800A FAA-800B	FAA-1000A FAA-1000B
Input Voltage	●12V ○24V (A series is 12V input,B series is 24V input)			
Output Voltage	220V~230V			
Rated Power	350W	500W	800W	2000W
Peak Power	700W	1000W	1600W	2000W
Efficiency	>70%			
Function	Reverse battery + - protection/with USB output			
Protection	Overload protection,Input over-voltage protection, Input low-voltage protection,Over-temperature protection			
Packed Qty	20PCS			
Dimensions	350W-500W: 175*115*58mm 800W-1000W: 215*115*58mm			
N.W	350W-500W: 0.53kg 800W-1000W: 0.72kg			
Certification	ISO, CTA, CE			

The sphere of application



FDA Series

Battery reverse protection



Pure sine wave inverter

Connecting diagram



The packing style



Technical data:

Model	FPA-300A FPA-300B	FPA-500A FPA-500B	FPA-1000A FPA-1000B
Input Voltage	●12V ○24V (A series is 12V input,B series is 24V input)		
Output Voltage	220V~230V		
Rated Power	300W	500W	1000W
Peak Power	600W	1000W	2000W
Efficiency	>86%		
Function	Reverse battery + - protection		
Protection	Overload protection,Input over-voltage protection, Input low-voltage protection,Over-temperature protection		
Packed Qty	6PCS		
Dimensions	215*145*80mm 260*145*80mm		
N.W	1.05kg 1.35kg		
Certification	ISO, CTA, CE		

The sphere of application



FDA-600F/G

Use for electric
power car



Battery reverse protection

The packing style



Technical data:

Model	FDA-600F	FDA-600G
Input Voltage	48V	60V
Output Voltage	220V~240V	
Rated Power	600W	
Peak Power	1200W	
Efficiency	>90%	
Protection	Overload protection, Input over-voltage protection, Input low-voltage protection, Over-temperature protection	
Packed Qty	20PCS	
Dimensions	210*145*80mm	
N.W	1.05kg	
Certification	ISO, CTA, CE	

The sphere of application



FAA-1000F/1000G

Use for electric
power car



Battery reverse protection

The packing style



Connecting diagram



Technical data:

Model	FAA-1000F	FAA-1000G
Input Voltage	48V	60V
Output Voltage	220V~240V	
Rated Power	1000W	
Peak Power	2000W	
Efficiency	>90%	
Protection	Overload protection, Input over-voltage protection, Input low-voltage protection, Over-temperature protection	
Packed Qty	20PCS	
Dimensions	215*115*58mm	
N.W	0.72kg	
Certification	ISO, CTA, CE	

The sphere of application



SKA Series

Price performance ratio



Connecting diagram



The packing style



Technical data:

Model	SKA-350A SKA-350B	SKA-500A SKA-500B
Input Voltage	●12V ●24V (A series is 12V input, B series is 24V input)	
Output Voltage	220V~240V	
Rated Power	350W	500W
Peak Power	700W	1000W
Efficiency	>70%	
Protection	Overload protection, Input over-voltage protection, Input low-voltage protection, Over-temperature protection	
Packed Qty	20PCS	
Dimensions	160*95*55mm	
N.W	0.5kg	
Certification	ISO, CTA, CE	

The sphere of application



MA Series



Technical data:

Model	MA-2410
Input voltage	220V~240V
Rated frequency	47~63HZ
Charge current	10A
Output voltage	12V
Charge mode	three-steps
Certification	ISO, CTA, CE
Packed Qty	6PCS

Model	MA-1210
Input voltage	220V~240V
Rated frequency	47~63HZ
Charge current	10A
Output voltage	12V
Charge mode	three-steps
Certification	ISO, CTA, CE
Packed Qty	20PCS

MA Series

To provide efficient charge for new energy battery



solar battery charger series

Technical data:

Model	MA-1230A	MA-1230E
Input voltage	220V~240V	
Rated frequency	47~63HZ	
Charge current	30A	
Output voltage	12V	
Charge mode	four-steps	
Certification	ISO、CTA、CE	
Packed Qty	6PCS	

Model	MA-2415
Input voltage	220V~240V
Rated frequency	47~63HZ
Charge current	15A
Output voltage	12V
Charge mode	four-steps
Certification	ISO、CTA、CE
Packed Qty	6PCS

TDA-100/TDA-150/TDA-200



The packing style



Outdoor mobile office is a good helper

Car inverter applications



It can supply power for hundreds of AC equipm

Technical data:

Model	TDA-100	TDA-150	TDA-200
Input voltage	12V		
Output voltage	220V		
USB output current	0.5A		
Conversion efficiency	>90%		
Protection against the circuit:	Under-voltage protection, over voltage protection, overload protection, output short circuit protection, abnormal temperature protection		
Measurement	65×118mm		
N.W	200W/300W/400W		
Certification	ISO、CTA、CE		

The sphere of application





SKA-150A 150W
DC12▶AC220V & USB5V



Technicai data

Model	SKA-150A
Input Voltage	12V
Output Voltage	230V
Rated Power	100W
Peak Power	200W
Protection	Overload protection, Input high or low voltage protection Overtemperature protection, Output short circuit protection
Dimensions	95*97*18MM
N.W	0.01Kg

The sphere of application



SKA 1000A DC12V → AC 230V
SKA 1000B DC24V → AC 230V



Technicai data

Model	SKA-1000A	SKA-1000B
Input Voltage	12V	24V
Output Voltage	230V	230V
Rated Power	1000W	1000W
Peak Power	2000W	2000W
Protection	Overload protection, Input high or low voltage protection Overtemperature protection, Output short circuit protection	Overload protection, Input high or low voltage protection Overtemperature protection, Output short circuit protection
Dimensions	210*130*75MM	210*130*75MM
N. W	0.82Kg	0.82Kg

The sphere of application



Auxiliary car starting power charger



MA-2450

Max start current. **1000 AMP**



Technical data

Model	MA-2450		
Peak power	2500W (1S)	Float current	
Rated power	1200W	Apply to charging battery pack	50AH以上
Frequency power	47~63HZ	High temperature protection	Smart control
Input voltage	220V/230 ± 10V	Output short circuit protection	Auto Stop
Power factor	≥ 50%	Battery reverse protection	Smart Field-effect tube protection
Standby efficiency	< 8W	Cooling way	Temperature control
Conversion efficiency	Maximum 90%	Working temperature	-20~60℃
Rated voltage	24V	Storage temperature	-20~80℃
Maximum input current	50A	Working humidity	10~90% (No condensation)
Start peak current	200A	Product size(mm)	327X180X89mm
Constant current charging range	10A-50A	N.W/G.W(㎏)	4.85Kg