

五星品质 源自索尔科技
Five star quality, derived from suoer technology



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28
PROFESSIONAL
QUALITY

索尔 **SUOER**® | **SUNCHONGLIC**®



Power Supply Series
Solar charge controller
Solar Inverter/battery Charger
Power Supply Transformer

电源产品
太阳能控制器
逆变器/充电器
电源降压器



绿色能源 改变生活

Green energy change life

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Power supply transformer series

ABOUT US

关于我们



28年电源行业经验,历史成就专业,专业铸就品质
28 years experience in home power supply industry,
professional achieved from history;specialization enhances quality.

佛山市索尔电子实业有限公司是一家集电子类产品科研、开发制造和销售于一体的综合企业。公司总部位于广东省佛山市南海大沥,距广州市区20公里,交通便利,环境优美,公司自建占地2万平方米的工业园,拥有标准的厂房、先进的生产设施、高标准的研发大楼。

公司最新推出世界领先的电源逆变器、车载电源逆变器、充电器、工频逆变器、风光互补控制逆变器、风力发电机等产品。

本着“创新发展,诚信共赢”的企业宗旨和“技术求精、团结向上、注重效益、共发展”的原则,凭借严格规范的管理制度和日臻完善的售后客服体系,以打造同行业著名品牌为己任竭诚为广大客户不断提供优质的产品和一流的服务。

Suoer Electronic Industrial Company Limited integrates R&D, manufacture and sales together. Located at Dali town, Nanhai district, Foshan city, Guangdong province, it is 20 kilometers away from Guangzhou with convenient transportation and beautiful scenery. We have built a 20,000 square meters industrial park with standard workshops, advanced equipments and leading R&D center.

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

Suoer sticks to the spirit of "innovative development, win-win benefit" and the principle of "technical refinement, upward unity, and joint development". We adhere to the virtue of strict management system, perfect after-sale service system and regard creating a famous industry brand as our duty. We try our best to provide quality products and first-class service for our customers.

CORE COMPETENCE

核心竞争力



研发团队
The r&d team



程序开发
Application development



电路设计
circuit design



维护
maintain



模型设计
mold design



平面设计
Graphic design



研发团队
The r&d team

行业领先的仓储物流中心

整个公司的仓储面积超过2万平方米,库存产品超过10万种,尽最大努力为客户节省采购成本和时间,以满足客户需要为己任,选择最好的的产品,最优惠的价格,为客户提供快捷高效的一站式采购服务。

leading warehouse logistics center in the industry
The company's storage area is more than 20,000 square meters and product inventory is more than 100,000 kinds. We try our best to meet customers' need and save their purchasing time, providing them with good products, preferential price and efficient one-stop purchasing service.



生产
Production



模具
Model



库存
inventory

销售网络

产品畅销国内市场并远销非洲、美洲、欧洲、东南亚及中东地区等;产品成熟,销售网络完善,在行业的知名度越来越高;产品质量得到国内外客户一致肯定,索尔品牌已经深入人心。

Distribution network

The products are sold well both in domestic market and international market. Our overseas markets are mainly Africa, America, Europe, Southeast Asia, Middle East, and so on. Our brand "Suoer" goes deeply into the common aspiration of the people because of its high quality, good service and perfect sales network.



销售团队
The sales team



对外贸易办公室
The foreign trade office

HIGH PRECISION EQUIPMENT

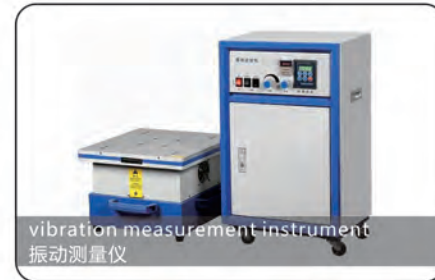
高精度设备



electrostatic discharge generator
静电放电发生器



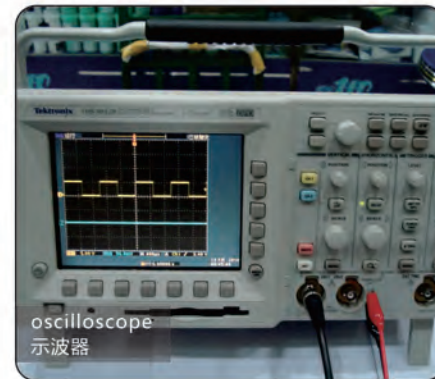
solar battery simulator
太阳能电池模拟器



vibration measurement instrument
振动测量仪



salt spray test chamber
盐雾测试箱



oscilloscope
示波器



temperature and humidity testing chamber
高低温湿热测试箱

RELIABLE QUALITY ASSURANCE

值得信赖的品质保证



ISO9001:2000认证



中国优质名牌产品证书
China High Quality Name Brand Product Certificate



广州市产品质量检验网
成员单位
Guangzhou Product Quality Testing Alliance



CTA品质验证证书
CAT Certificate of Quality Inspection



DAS(达卫师)认证



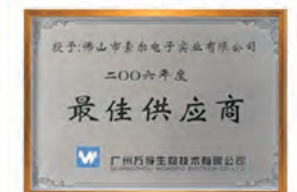
CE认证



RoHS认证



中国国家强制性产品
认证证书
China Compulsory Certification



索尔一直坚持以“创新发展, 技术求精”为开发理念, 创造一系列得到国内外客户一致认可的产高科技产品。已荣获多项国际专利是索尔实力的见证。

Suor sticks to the idea of "innovative development and technical refinement", and it has developed series of high-tech product which are popular and approbated by both of domestic and abroad customers. It proves its strength by obtaining several international patents.



INDEPENDENT INNOVATION 自主创新



人力资源是企业最宝贵的财富, 公司始终把吸引和培养人才作为企业领导者的最重要职责。我们主张用人所长, 扬长避短, 我们看到的是一个进步的一面, 积极的一面, 公司致力于打造一支国际一流的设计研发团队。

Human resource is the most precious fortune of the enterprise, the company always put the attraction and cultivation of talents as the most important duty of the enterprise leader. We advocate the use of advantages, avoiding disadvantages, we see a progressive side, the positive side, the company is committed to build a first-class international design team.



TALENTS AND MANAGEMENT 人才与管理

技术开发部
Technical development department

工程部
Engineering dept

产品生产部
Production department

仓务库
Warehouse

IQC检验室
IQC test room

仓务部
Storehouse department

财务部
General accounting department

后勤部
Logistics department

采购部
The purchasing department

市场推广部
Marketing department

人事行政部
The department of personnel administration

市场外贸部
Ministry of foreign trade market

产品销售部
Product sales

Solar power inverter
太阳能电源逆变器
SDB-1000A SDB-2000A



智能强功率起动
Intelligent soft power starting

直观功率，电池电量显示
LCD screen visually displays output power, battery capacity

航天级静音技术
智能变速节能风扇
Aerospace grade mute technology, intelligent energy-saving cooling fan

微电脑节能控制
Microcomputer energy-saving control

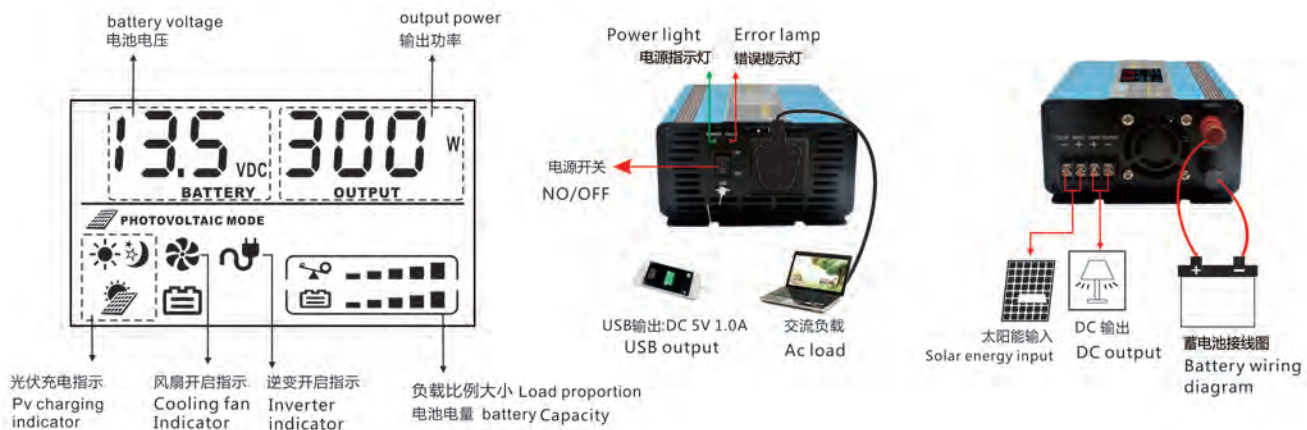
产品适用范围 Range of application



技术数据/Technicai parameter

型号 Model		SDB-500A	SDB-500B	SDB-1000A	SDB-1000B	SDB-1500A	SDB-1500B	SDB-2000A	SDB-2000B
输出 Output	输出电压 Output voltage	AC230V	AC230V	AC230V	AC230V	AC230V	AC230V	AC230V	AC230V
	额定功率 output power	300W	300W	600W	600W	1000W	1000W	1500W	1500W
	瞬时功率 instantaneous power	500W	500W	1000W	1000W	1500W	1500W	2000W	2000W
	频率 Frequency	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz
	USB	DC5V 1A	DC5V 1A	DC5V 1A	DC5V 1A	DC5V 1A	DC5V 1A	DC5V 1A	DC5V 1A
输入 Input	空载电流 No-load current	<0.3A	<0.2A	<0.5A	<0.3A	<1A	<0.5A	<1A	<0.5A
	工作电压 working volt	DC12V	DC24V	DC12V	DC24V	DC12V	DC24V	DC12V	DC24V
	电压范围 voltage range	10.5-15V	21-30V	10.5-15V	21-30V	10.5-15V	21-30V	10.5-15V	21-30V

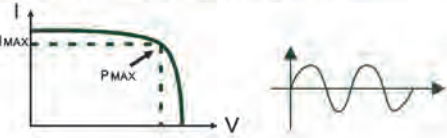
Solar charger inverter all-in-one
太阳能充电逆变一体机
SUS-1000A



技术数据/Technicai parameter

型号 Model	SUS-500A	SUS-500B	SUS-1000A	SUS-1000B
内置控制器 Built-in solar controller	12V10A	24V/10A	12V/20A	24V/20A
推荐太阳能板规格 Solar panel SPECS	100~150W/18V	100~150W/36V	100~200W/18V	200~300W/36V
外置蓄电池 External battery	12V100Ah~150Ah	24V 100Ah~150Ah	12V 100Ah~150Ah	24V 100Ah~150Ah
USB输出电流 USB input Ampere	1000MA	1000MA	1000MA	1000MA
USB输出电压 USB output Voltage	5.0 + /-0.3V	5.0 + /-0.3V	5.0 + /-0.3V	5.0 + /-0.3V
逆变器输出电压 Inverter output voltage	AC 220V+/-5%	AC 220V+/-5%	AC 220V+/-5%	AC 220V+/-5%
最大持续功率 MCR	350W	350W	600W	600W
峰值功率 peak power	500W	500W	1000W	1000W
无负载电流 No load current	<0.5A	<0.3A	<0.5A	<0.3A
直流输入电压 DC input voltage	DC9.7V~15.5V	DC20V~32V	DC9.7V~15.5V	DC20V~32V
输出频率 frequency of output	50 + /-3Hz	50 + /-3Hz	50 + /-3Hz	50 + /-3Hz
转换效率 transfer efficiency	> 90%	> 90%	> 90%	> 90%
高压切断 high voltage cutout	15V+/-0.5V	31V+/-0.5V	15V+/-0.5V	31V+/-0.5V
低压报警 Low Voltage Alarm	11.2V+/-0.3V	22V+/-0.3V	11.2V+/-0.3V	22V+/-0.3V
低压切断 Low voltage cutout	10V+/-0.3V	20V+/-0.3V	10V+/-0.3V	20V+/-0.3V
过载/短路保护 Overload/short-circuit protection	有	有	有	有
输出波形 output waveform	修正波	修正波	修正波	修正波
冷却方式 type of cooling	风扇冷却	风扇冷却	风扇冷却	风扇冷却
工作环境温度 environment humidity	-20°C~+70°C	-20°C~+70°C	-20°C~+70°C	-20°C~+70°C
相对湿度 relative humidity	<90%RH	<90%RH	<90%RH	<90%RH

Hybrid High-frequency Photovoltaic Inverter
混合型高频光伏逆变一体机
SON-SUW1500VA



UPS

带MPPT光伏充电
With MPPT PV charge



■ DC 12V→AC 220V
■ DC 24V→AC 220V **1000W**

产品特点:

- 纯正弦波输出,输入输出完全隔离设计。
- 内含三段式充电模块,充电电流高达15A。
- 高逆变效率达88%以上,具有省电节能模式。
- 可搭配市电,混合使用。
- 可耐受2倍额定功率启动,带载能力卓越。
- LCD显示工作和充电状况。
- 内置交流旁路继电器,真正实现交流电不间断输出。
- 高级微处理控制系统设计。
- 输入反接/欠压/过压/短路/过载超温保护。

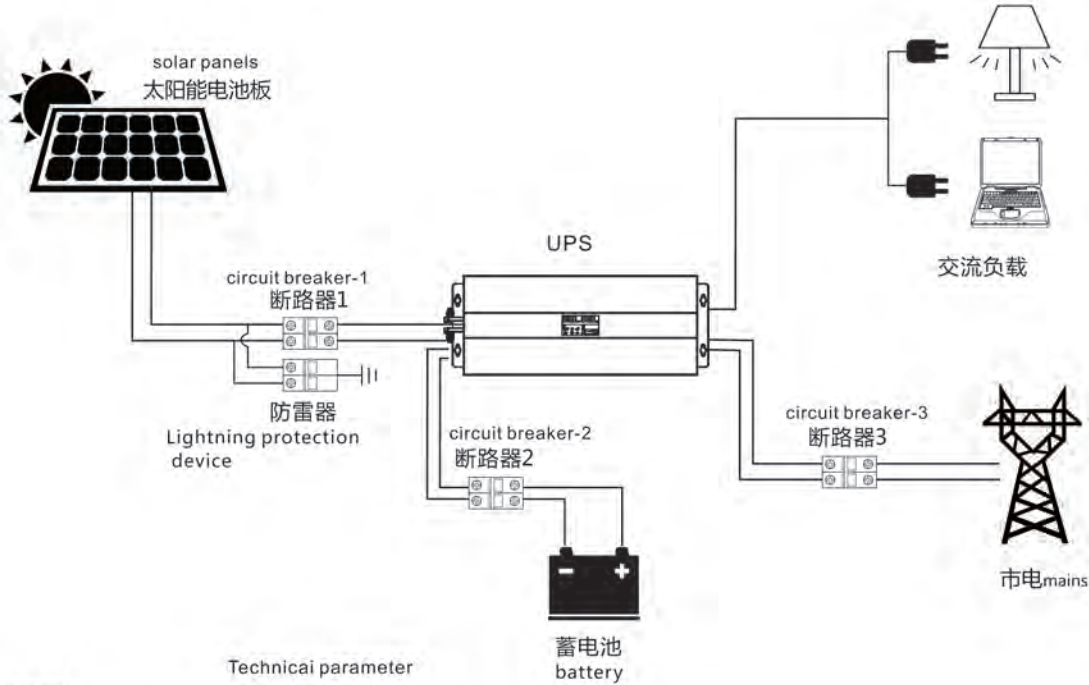
Product Feature:

- 1.Pure sine waveform output,Input and output are completely independent.
- 2.Built-in 3 phase charging module with charging current up to15A.The inverter efficiency is over 88% with power-saving mode.
- 3.Can be mixing and matching city power.
- 4.Startup power is up to twice times of rated power,excellent loading capacity.
- 5.LCD screen displays working condition and charging status.
- 6.Built-in electric relay of bypass AC,True uninterruptable power supply.
- 7.Advanced microprocessor control system.
- 8.Multiple protections of Input reverse polarity/undervoltage/overvoltage/short circuits/overload/over temperature.

概述:

该产品为我公司自主研发的集MPPT充电控制器,逆变器,市电充电器为一体的多功能一体机。高速芯片集中控制,实现过载保护,过流保护,高温保护,短路保护,电池高、低压保护。LCD显示屏显示机器运行状态和设置参数。采用优质的元器件,保证产品高质量、高性能。本机的输出波形为纯正正弦波。

The product is developed by our company set MPPT charge controller, inverter, mains charger as one of the MFP. High-speed chip centralized control, overload protection, overcurrent protection, high temperature protection, short circuit protection, battery high and low voltage protection. LCD display shows the machine operation and setup parameters. Using high-quality components to ensure product quality, high performance. The machine's output waveform is pure sine wave.



技术数据/

型号 Model		SON-SUW1500
内置控制器	Built-in solar controller	500W (降压型控制) Buck type control
推荐太阳能板规格	Solar panel SPECS	30V~120V 500W(最大max.)
外置蓄电池	External battery	24V 100Ah~150Ah
交流输入 Ac input	容量 capacity	1500VA
	电压 voltage	AC 180~240V
	频率 Frequency	50Hz±10%
DC 输入 DC entered	电压(外接电池)Voltage (external battery)	DC24V
	低压保护 Low voltage protection	DC20V
	过压保护点 Over voltage protection point	DC29V
交流输出 AC	电压 voltage	AC220V±5% (DC模式) 190-240V (AC模式)
	功率 power	1000W
	频率 Frequency	50±0.5Hz (DC模式) 同步市电 (AC模式Synchronous mains
	波形 waveform	正弦波 (失真度≤3%) Sinewave
充电时间 Charging time	效率 Efficiency	≥88% (DC TO AC)
	充电电流 Charging current	最大充电电流15A(可按客户要求更改) Maximum charging current 15A (can change according to customer's request)
	充电效率 Charging efficiency	8~15小时,回充90%
转换时间 Conversion time	转换时间 Conversion time	≤6ms
	保护 protection	过载、短路、电池高低压保护
	报警声 alarm	当电池电压接近关机点时报警声由慢变快,直到设备自动关机 When the battery voltage shutdown point near the end of the alarm by slow faster, until the device has automatic shutdown
环境 environment	噪声 noise	≤45dB
	温度 temperature	0°C±40°C
	湿度 humidity	10%±90%

Smart digital power inverter
智能数码电源逆变器
HAA series



智能双风扇
Intelligent double fan



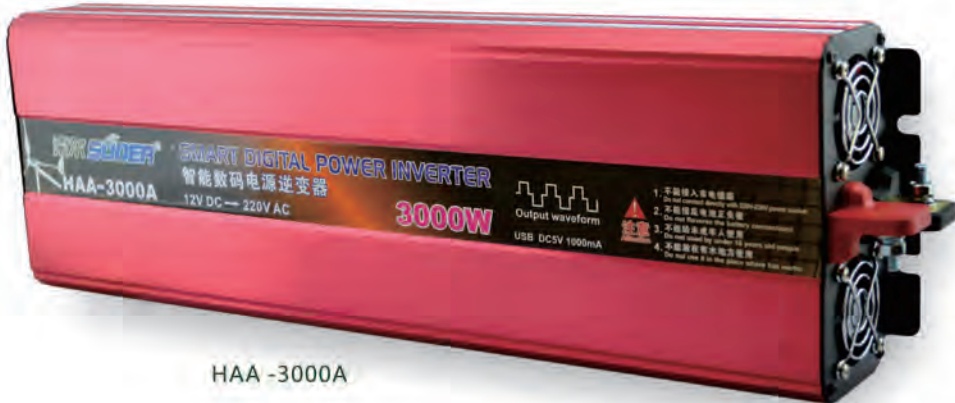
功率/电池电压显示
The power/battery voltage display



HAA -1000A



HAA -2000A



HAA -3000A



特性:

- 智能风扇，风扇由负载控制，输出没有接负载，风扇不转。
- 低待机功耗，高转换效率。
- 完善的输入、输出保护、高可靠性。
- 人性化的USB（1000mA）充电插口，更方便。
- 直观功率显示，电池电压显示。
- 电池低压保护，电量低的状态下会引发警报并自动关闭，数码管显示“UL”；必须关闭电源开关，重新打开电源开关重启逆变器电源。
- 过载和短路保护，如果输出负载过载或短路，会自动关闭；必须关闭电源开关，重新打开电源开关重启逆变器电源。
- 外壳温度保护，如果发生温度过热情况下，会启动安全关闭。
- 逆变器具有先进的抗干扰技术，功能齐全的保护电路和软启动电路，方便的操作模式。
- 软启动电路具有在启动时逐步提升输出电压，以消除冷启动失败，同时具有输出电压瞬间下降和快速恢复功能；减少负载开机瞬间超载。

Features:

- The smart fan is controlled by the load, and it will not work if the output side is not connected to a load.
- Low standby power cost, high conversion efficiency.
- Perfect input and output protection, high reliability.
- Humanized USB (1000MA) charging socket.
- It displays the power value and battery voltage.
- Battery low voltage protection, it will induce the alarm when the battery capacity is low and the device will shut down automatically; the LED displays "UL"; the user must reopen the power switch and restart inverter power supply.
- Overload and short circuit protection, the device will shut down automatically if there appears overload or short circuit; the user must reopen the power switch and resupply the power.
- Shell temperature protection, the device will shut down safely if the temperature is too high.
- The inverter has advanced anti-jamming technology, soft start circuit and convenient operating mode. The soft start circuit can increase the output voltage step by step and avoid start failure.
- It also has the function of instantaneous output voltage dropping and fast recovery. It can decrease the instant overload when starting up.

型号 Model		HAA-1000A	HAA-1000B	HAA-2000A	HAA-2000B	HAA-3000A	HAA-3000B
输出 Output	输出电压 Output voltage	AC220V(or 110V)	AC220V(or 110V)	AC220V(or 110V)	AC220V(or 110V)	AC220V(or 110V)	AC220V(or 110V)
	额定功率 Output power	1000W	1000W	2000W	2000W	3000W	3000W
	峰值功率 Peak power	2000W	2000W	4000W	4000W	6000W	6000W
	频率 Frequency	50Hz(or 60Hz)	50Hz(or 60Hz)	50Hz(or 60Hz)	50Hz(or 60Hz)	50Hz(or 60Hz)	50Hz(or 60Hz)
	USB USB	DC5V 1A	DC5V 1A	DC5V 1A	DC5V 1A	DC5V 1A	DC5V 1A
输入 Input	空载电流 No-load current	<0.5A	<0.3A	<0.5A	<0.3A	<0.8A	<0.5A
	工作电压 Working volt	DC12V	DC24V	DC12V	DC24V	DC12V	DC24V
	电压范围 Voltage range	10.5-15V	21-30V	10.5-15V	21-30V	10.5-15V	21-30V
	报警电压 Alarm voltage	10.5V	21V	10.5V	21V	10.5V	21V
	低压保护 Low-voltage protection	10V	20.5V	10V	20.5V	10V	20.5V
	过压保护 Overvoltage protection	16V	31V	16V	31V	16V	31V
	效率 Efficiency	>85%	>90%	>85%	>90%	>85%	>90%
	产品尺寸 Product size	24X15X7.5cm		36X15X7.5cm		49X15X7.5cm	
重量 Weight		1.95kg		3kg		4.28kg	

Smart digital power inverter
智能数码电源逆变器
SQA series



技术数据/Technicai parameter

Table with 7 columns: Model, SQA-300A, SQA-300B, SQA-600A, SQA-600B, SQA-1000A, SQA-1000B. Rows include Output voltage, Rated power, Peak power, Frequency, USB, No-load current, Working voltage, Voltage range, Alarm voltage, Low-voltage protection, Overvoltage protection, Efficiency, Product size, and Weight.

High frequency pure sine wave inverter series
高频纯正弦波太阳能逆变器系列
FPC-300A/B/F
FPC-500A/B/F



技术数据/Technicai parameter

Table with 5 columns: Model, FPC-300A, FPC-300B, FPC-500A, FPC-500B. Rows include Peak power, Rated power, Output waveform, Output voltage, Harmonic distortion, Output frequency, Standby current, Conversion efficiency, Rated voltage, Maximum input current, Input voltage range, Under voltage protection, Under voltage tip, Under pressure recovery, Over voltage protection, Over voltage recovery, High temperature protection, Buzzer/LED warning, Output short circuit protection, Smart control, Load power factor, USB output, Fuse protection, Temperature control, Working temperature, Storage temperature, Working humidity, Product size, and Net weight.

High frequency pure sine wave inverter series

高频纯正弦波太阳能逆变器系列

FPC-1000A/B/F

FPC-2000A/B/F



最大功率2400W,
轻松启动发动机负载。
Max power 2400W,
Easy to start the motor load.

技术数据/Technicai parameter

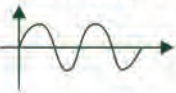
型 号 Model	FPC-1000A	FPC-1000B	FPC-2000A	FPC-2000B
峰 值 功 率 Peak power	2000W (短时1S)		4000W (短时1S)	
额 定 功 率 Rated power	1000W		2000W	
输 出 波 形 Output waveform	纯正弦波 Pure sine wave			
输 出 电 压 Output voltage	220V/230±5V			
谐 波 失 真 Harmonic distortion	< 3% (阻性负载 Impedance load)			
输 出 频 率 Output frequency	50HZ(可选 or 60HZ)			
待 机 电 流 Standby current	< 0.9A	< 0.4A	< 0.9A	< 0.7A
转 换 效 率 Conversion efficiency	最大 Maximum 94%			
额 定 电 压 Rated voltage	12V	24V	12V	24V
最大输入电流 Maximum input current	120A	60A	250A	125A
输入电压范围 Input voltage range	9V-16V	18V-32V	9V-16V	18V-32V
欠 压 保 护 Under voltage protection	9.5±0.5V	19.9V±0.2V	9.5±0.5V	19.9V±0.2V
欠 压 提 示 Under voltage tip	10.2±0.5V	20.9V±0.2V	10.2±0.5V	20.9V±0.2V
欠 压 恢 复 Under pressure recovery	12.5±0.5V	24.7V±0.	12.5±0.5V	24.7V±0.2V
过 压 保 护 Over voltage protection	15±0.5V	30.2V±0.2V	15±0.5V	30.2V±0.2V
过 压 恢 复 Over voltage recovery	14.8±0.5V	29.8V±0.2V	14.8±0.5V	29.8V±0.2V
高 温 保 护 High temperature protection	蜂鸣/LED提示 Buzzer/LED warning			
输出短路保护 Output short circuit protection	蜂鸣/LED提示Buzzer/LED warning			
输 出 过 载 Output overload	智能控制 Smart control			
负载功率因数 Load power factor	0.98			
USB 输 出 USB output	5V / 1000mA			
输入反接保护 Battery reverse protection	保险丝保护 Fuse protection			
散 热 方 式 Cooling way	温控风冷 Temperature control			
工 作 温 度 Working temperature	-20~60℃			
储 存 温 度 Storage temperature	-20~80℃			
工 作 湿 度 Working humidity	10~90% (无冷凝No condensation)			
产 品 尺 寸 Product size(mm)	325X180X85mm		365X180X85 mm	
净重/毛重kg N.W/G.W(kg)	2.77Kg		4. 78Kg	

High frequency pure sine wave inverter series

高频纯正弦波太阳能逆变器系列

FPC-2500A/B/F

FPC-3000B/F



技术数据/Technicai parameter

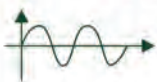
型 号 Model	FPC-2500A	FPC-2500B	FPC-3000B	FPC-3000F
峰 值 功 率 Peak power	5000W (短时1S)		6000W (短时1S)	
额 定 功 率 Rated power	2500W		3000W	
输 出 波 形 Output waveform	纯正弦波 Pure sine wave			
输 出 电 压 Output voltage	220V/230±5V			
谐 波 失 真 Harmonic distortion	< 3% (阻性负载 Impedance load)			
输 出 频 率 Output frequency	50HZ(可选 or 60HZ)			
待 机 电 流 Standby current	< 0.9A	< 0.7A	< 0.8A	< 0.5A
转 换 效 率 Conversion efficiency	最大 Maximum 94%			
额 定 电 压 Rated voltage	12V	24V	24V	48V
最大输入电流 Maximum input current	250A	125A	150A	75A
输入电压范围 Input voltage range	9V-16V	18V-32V	18V-32V	38V-62V
欠 压 保 护 Under voltage protection	9.5±0.5V	19.9V±0.2V	19.9V±0.2V	40.2V±0.2V
欠 压 提 示 Under voltage tip	10.2±0.5V	20.9V±0.2V	20.9V±0.2V	42.2V±0.2V
欠 压 恢 复 Under pressure recovery	12.5±0.5V	24.7V±0.2V	24.7V±0.2V	48.2V±0.2V
过 压 保 护 Over voltage protection	15±0.5V	30.2V±0.2V	30.2V±0.2V	60.4V±0.2V
过 压 恢 复 Over voltage recovery	14.8±0.5V	29.8V±0.2V	29.8V±0.2V	60.1V±0.2V
高 温 保 护 High temperature protection	蜂鸣/LED提示 Buzzer/LED warning			
输出短路保护 Output short circuit protection	蜂鸣/LED提示Buzzer/LED warning			
输 出 过 载 Output overload	智能控制 Smart control			
负载功率因数 Load power factor	0.98			
USB 输 出 USB output	5V / 1000mA			
输入反接保护 Battery reverse protection	保险丝保护 Fuse protection			
散 热 方 式 Cooling way	温控风冷 Temperature control			
工 作 温 度 Working temperature	-20~60℃			
储 存 温 度 Storage temperature	-20~80℃			
工 作 湿 度 Working humidity	10~90% (无冷凝 No condensation)			
产 品 尺 寸 Product size(mm)	405X180X85mm		470X180X85cm	
净重/毛重kg N.W/G.W(kg)	4. 78Kg		5. 33kg	

High frequency pure sine wave inverter series

高频纯正弦波太阳能逆变器系列

FPC-N1000A/B

FPC-N1500A/B



技术数据/Technicai parameter

型 号 Model	FPC-N1000A	FPC-N1000B	FPC-N1500A	FPC-N1500B
峰 值 功 率 Peak power	2000W		2500W	
额 定 功 率 Rated power	1000W		2000W	
输 出 波 形 Output waveform	纯正弦波 Pure sine wave			
输 出 电 压 Output voltage	220V/230±5V			
谐 波 失 真 Harmonic distortion	≤ 3% (阻性负载 Impedance load)			
输 出 频 率 Output frequency	50HZ(可选 or 60HZ)			
待 机 电 流 Standby current	< 1.5A	< 0.8A	< 2A	< 1A
转 换 效 率 Conversion efficiency	最大 Maximum 94%			
额 定 电 压 Rated voltage	12V	24V	12V	24V
最大输入电流 Maximum input current	200A	120A	250A	150A
输入电压范围 Input voltage range	10-15V	20-32V	10-15V	20-32V
欠 压 保 护 Under voltage protection	10V	20V	10V	20V
欠 压 提 示 Under voltage tip	10.5V	21V	10.5V	21V
欠 压 恢 复 Under pressure recovery	12.3V	24.6V	12.3V	24.6V
过 压 保 护 Over voltage protection	15.5V	31V	15.5V	31V
过 压 恢 复 Over voltage recovery	15V	30V	15V	30V
高 温 保 护 High temperature protection	95℃			
输出短路保护 Output short circuit protection	有			
输 出 过 载 Output overload	分段智能保护			
负载功率因数 Load power factor	0.98			
USB 输 出 USB output	5V 3Amax			
输入反接保护 Battery reverse protection	保险丝保护 Fuse protection			
散 热 方 式 Cooling way	智能风扇 Intelligent fan			
工 作 温 度 Working temperature	-20~60℃			
储 存 温 度 Storage temperature	-20~80℃			
工 作 湿 度 Working humidity	10~90% (无冷凝No condensation)			
产 品 尺 寸 Product size(mm)	338X195X80mm		475X195X80mm	

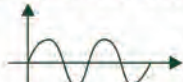
High frequency pure sine wave inverter series

高频纯正弦波太阳能逆变器系列

FPC-D1000A/B

FPC-D4000B

FPC-D5000B

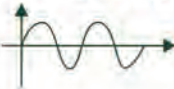


技术数据/Technicai parameter

型 号 Model	FPC-D1000A	FPC-D1000B	FPC-D4000B	FPC-D5000B
峰 值 功 率 Peak power	2000W		6000W	8000W
额 定 功 率 Rated power	1000W		4000W	5000W
输 出 波 形 Output waveform	纯正弦波 Pure sine wave			
输 出 电 压 Output voltage	220V/230±5V			
谐 波 失 真 Harmonic distortion	< 3% (阻性负载 Impedance load)			
输 出 频 率 Output frequency	50HZ(可选 or 60HZ)			
待 机 电 流 Standby current	< 1.5A	< 0.8A	<1.3A	<1.3A
转 换 效 率 Conversion efficiency	最大 Maximum 94%			
额 定 电 压 Rated voltage	12V	24V	24V	24V
最大输入电流 Maximum input current	200A	120A	250A	250A
输入电压范围 Input voltage range	10-15V	20-32V	20-32V	20-32V
欠 压 保 护 Under voltage protection	10V	20V	20V	20V
欠 压 提 示 Under voltage tip	10.5V	21V	21V	21V
欠 压 恢 复 Under pressure recovery	12.3V	24.6V	24.6V	24.6V
过 压 保 护 Over voltage protection	15.5V	31V	31V	31V
过 压 恢 复 Over voltage recovery	15V	30V	30V	30V
高 温 保 护 High temperature protection	95℃			
输出短路保护 Output short circuit protection	有			
输 出 过 载 Output overload	分段智能保护			
负载功率因数 Load power factor	0.98			
USB 输 出 USB output	5V 3Amax			
输入反接保护 Battery reverse protection	保险丝保护 Fuse protection			
散 热 方 式 Cooling way	智能风扇 Intelligent fan			
工 作 温 度 Working temperature	-20~60℃			
储 存 温 度 Storage temperature	-20~80℃			
工 作 湿 度 Working humidity	10~90% (无冷凝No condensation)			
产 品 尺 寸 Product size(mm)	386X205X100mm		520X275X225mm	

High frequency pure sine wave inverter series
高频纯正弦波太阳能逆变器系列

FPC-N4000
FPC-N6000



技术数据/Technical parameter

型 号 Model	FPC-N4000	FPC-N6000
峰 值 功 率 Peak power	6000W	9000W
额 定 功 率 Rated power	4000W	6000W
输 出 波 形 Output waveform	纯正弦波 Pure sine wave	
输 出 电 压 Output voltage	220V/230±5V	
谐 波 失 真 Harmonic distortion	< 3% (阻性负载 Impedance load)	
输 出 频 率 Output frequency	50HZ(可选60HZ)	
待 机 电 流 Standby current	<1.3A	<0.8A
转 换 效 率 Conversion efficiency	最大 Maximum 94%	
额 定 电 压 Rated voltage	24V	48V
最大输入电流 Maximum input current	250A	220A
输入电压范围 Input voltage range	20-32V	40-64V
欠 压 保 护 Under voltage protection	20V	40V
欠 压 提 示 Under voltage tip	21V	42V
欠 压 恢 复 Under pressure recovery	24.6V	49.2V
过 压 保 护 Over voltage protection	31V	64V
过 压 恢 复 Over voltage recovery	30V	60V
高 温 保 护 High temperature protection	95C	
输出短路保护 Output short circuit protection	有 YES	
输 出 过 载 Output overload	智能分段保护 Intelligent segmentation protection	
负载功率因数 Load power factor		
USB 输 出 USB output	5V 3Amax	
输入反接保护 Battery reverse protection	保险丝保护 Fuse protection	
散 热 方 式 Cooling way	智能风扇 Intelligent fan	
工 作 温 度 Working temperature	-20~60℃	
储 存 温 度 Storage temperature	-20~80℃	
工 作 湿 度 Working humidity	10~90% (无冷凝No condensation)	
产 品 尺 寸 Product size(mm)	520X275X225MM	

High frequency correction wave of solar inverter series
高频修正波太阳能逆变器系列

SUB series



智能风扇，风扇由负载控制。
低待机功耗，高效转换效率。
完善的输入、输出保护、高可靠性。
人性化的USB(1000MA)充电插口，更方便。

Smart fan, controlled by the load.
Low standby power cost, high conversion efficiency.
Perfect input and output protection, high reliability.
Humanized USB (1000Ma) charging socket, and so on.

技术数据/Technical parameter

型 号 Model	输出 电压 Output voltage	输出 功率 output power	峰值 功率 Peak power	频率 Frequency	USB 输出 USB output	空载 电流 no-load current	工作 电压 working volt	电压 范围 voltage range	效率 Efficiency	产品尺寸 product size	重量 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

High frequency correction wave of solar inverter series
高频修正波太阳能逆变器系列
STA series



适用于灯泡
Suitable for Light bulb



冰箱压缩机完美启动
The refrigerator compressor starts up perfectly.



智能强功率启动
Smart power starting



微电脑节能控制
Energy saving control microcomputer



直观功率，电池电量显示
Power display,battery electric power display



航天级静音技术智能变速节能风扇
Aerospace-grade silence technology smart fan with energy saving

技术数据/Technical parameter

型号 Model			STA-500A	STA-500B	STA-1000A	STA-1000B	STA-1500A	STA-1500B	STA-2000A	STA-2000B
输出 Output	输出电压 Output voltage		AC230V	AC230V	AC230V	AC230V	AC230V	AC230V	AC230V	AC230V
	额定功率 output power		400W	400W	650W	650W	1000W	1000W	1500W	1500W
	瞬时功率 Peak power		500W	500W	1000W	1000W	1500W	1500W	2000W	2000W
	频率 Frequency		50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz
	USB	USB	DC5V 1A	DC5V 1A	DC5V 1A	DC5V 1A	DC5V 1A	DC5V 1A	DC5V 1A	DC5V 1A
输入 Input	空载电流 no-load current		<0.3A	<0.2A	<0.5A	<0.3A	<0.5A	<0.3A	<0.5A	<0.3A
	工作电压 working volt		DC12V	DC24V	DC12V	DC24V	DC12V	DC24V	DC12V	DC24V
	电压范围 voltage range		10.5-15V	21-30V	10.5-15V	21-30V	10.5-15V	21-30V	10.5-15V	21-30V
	报警电压 Alarm voltage		10.5V	21V	10.5V	21V	10.5V	21V	10.5V	21V
	低压保护 low-voltage protection		10V	20.5V	10V	20.5V	10V	20.5V	10V	20.5V
	过压保护 overvoltage protection		16V	31V	16V	31V	16V	31V	16V	31V
	效率 Efficiency		>85%	>85%	>85%	>85%	>85%	>85%	>85%	>85%
尺寸 Size			18X11.2X5.5cm		22.5X11.2X5.5cm		24.5X12.5X7.5cm		32X18X8.5cm	
重量 Weight			0.56Kg		0.81Kg		1.37Kg		2.47Kg	

High frequency correction wave of solar inverter series
高频修正波太阳能逆变器系列
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

技术数据/ Technicai parameter

型号	Model	HDA-1000A	HDA-1500A	HDA-2000A	HDA-2500A	HDA-3000A
		HDA-1000B	HDA-1500B	HDA-2000B	HDA-2500B	HDA-3000B
输入电压	Input voltage	A系列为12V输入，B系列为24V输入 A series is 12V input,B series is 24V input				
输出电压	Output voltage	220V~240V				
额定功率	Rated power	1000W	1500W	2000W	2500W	3000W
峰值功率	Peak power	2000W	3000W	4000W	5000W	6000W
效率	Efficiency	>90%				
保护电路	Protection	超负荷保护电路、输入高压切断电路、 输入低压切断电路、异常温度检测切断电路。 Overload protection,Input over-voltage protection, Input low-voltage protection,Over-temperature protection				
装箱数	Packed qty	4PCS				
外形尺寸	Dimensions	265X175X125mm	315X175X125mm	335X175X125mm	405X175X125mm	455X175X125mm
重量	N.W	3.5 kg	4.0 kg	4.6 kg	5.3 kg	6.0 kg
认证	Certification	ISO、CTA、CE				

技术数据/ Technicai parameter

型号	Model	HDA-1000C	HDA-1500C	HDA-2000C	HDA-2500C	HDA-3000C
		HDA-1000D	HDA-1500D	HDA-2000D	HDA-2500D	HDA-3000D
输入电压	Input voltage	A系列为12V输入，B系列为24V输入 A series is 12V input,B series is 24V input				
输出电压	Output voltage	220V~240V				
额定功率	Rated power	1000W	1500W	2000W	2500W	3000W
峰值功率	Peak power	2000W	3000W	4000W	5000W	6000W
效率	Efficiency	>90%				
充电电流	Charge current	20A（带充电功能和UPS功能） 20A（with charge and UPS）				
保护电路	Protection	超负荷保护电路、输入高压切断电路、 输入低压切断电路、异常温度检测切断电路。 Overload protection,Input over-voltage protection, Input low-voltage protection,Over-temperature protection				
装箱数	Packed qty	4PCS				
外形尺寸	Dimensions	265X175X125mm	315X175X125mm	335X175X125mm	405X175X125mm	455X175X125mm
重量	N.W	3.5 kg	4.0 kg	4.6 kg	5.3 kg	6.0 kg
认证	Certification	ISO、CTA、CE				

FDA-600F/G



FDA-500B



技术数据/ Technicai parameter

型号	Model	FDA-500A-110	FDA-600A	FDA-1000A	FDA-600F	FDA-600G
		FDA-500B-110	FDA-600B	FDA-1000B		
输入电压	Input voltage	A系列为12V输入，B系列为24V输入 /A series is 12V input,B series is 24V input			48V	60V
输出电压	Output voltage	220V~240V				
额定功率	Rated power	500W	600W	1000W	600W	
峰值功率	Peak power	1000W	1200W	2000W	1200W	
效率	Efficiency	>90%				
功能	Function	电池正负极接反保护 Reverse battery + - protection				
保护电路	Protection	超负荷保护电路、输入高压切断电路、 输入低压切断电路、异常温度检测切断电路。			Overload protection,Input over-voltage protection, Input low-voltage protection,Over-temperature protection	
装箱数	Packed qty	6PCS			20PCS	
外形尺寸	Dimensions	210X145X80mm	210X145X80mm	286X145X80mm	210X145X80mm	
重量	N.W	1.13kg	1.03kg	1.49kg	1.05Kg	
认证	Certification	ISO、CTA、CE				

FAA-1000G



FAA-1000A



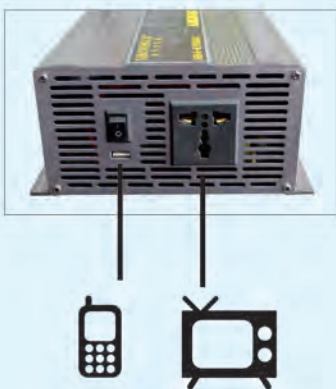
技术数据/ Technicai parameter

型号	Model	FAA-350A		FAA-500A		FAA-800A		FAA-1000A		FAA-1000F	FAA-1000G
		FAA-350B		FAA-500B		FAA-800B		FAA-1000B			
输入电压	Input voltage	A系列为12V输入，B系列为24V输入 /A series is 12V input,B series is 24V input									
输出电压	Output voltage	220V~240V								220V~240V	
额定功率	Rated power	350W		500W		800W		2000W		1000W	
峰值功率	Peak power	700W		1000W		1600W		2000W		2000W	
效率	Efficiency	> 70%									
功能	Function	电池正负极接反保护/带USB输出 Reverse battery + - protection/with USB output									
保护电路	Protection	超负荷保护电路、输入高压切断电路、 输入低压切断电路、异常温度检测切断电路。								Overload protection,Input over-voltage protection, Input low-voltage protection,Over-temperature protection	
装箱数	Packed qty	8PCS								20PCS	
外形尺寸	Dimensions	175X115X58mm				215X115X58mm				215X115X58mm	
重量	N.W	0.53kg				0.72kg				0.72Kg	
认证	Certification	ISO、CTA、CE									

Charging and inverter all-in-one

充电和逆变一体机

HBA series



USB 5V/1A 交流输出
AC output

技术数据/Technicai parameter

型号	Model	HBA-1000C	HBA-1000D	HBA-2000D	HBA-3000F
输出 Output	输出电压 Output voltage	AC220V	AC220V	AC220V	AC220V
	输出功率 Output power	1000W	1000W	2000W	3000W
	峰值功率 Peak power	2000W	2000W	4000W	6000W
	USB USB	DC 5V 1A	DC 5V 1A	DC 5V 1A	DC 5V 1A
	频 率 Frequency	50Hz	50Hz	50Hz	50Hz
输入 Input	空载电流 No-load current	< 1A	< 0.6A	< 0.6A	< 0.6A
	工作电压 Working voltage	DC12V	DC24V	DC24V	DC48V
	电压范围 Voltage range	10.5~15V	21~30V	21~30V	42~60V
	报警电压 Alarm voltage	10.5V	21V	21V	42V
	低压保护 low-voltage protection	10V	20.5V	30V	60V
	过压保护 Overvoltage protection	16V	31V	31V	31V
	效 率 Efficiency	> 90%	> 90%	> 90%	> 90%
充电 charging	充电电压 Charging voltage	14V	28V	28V	56V
	充电电流 Charging current	5A、10A、15A、20A、25A、30A			
	输入电压 Input voltage	AC 220V			
	输入电压范围 Input voltage range	AC 220V~±10%			
	输出电压 Output voltage	同当时的输入电压 with the time of the input voltage			
	转换电压 Convert the voltage	低电压Low voltage 165±5V；高电压 high voltage 265±5V			
市电转逆变启动时间 City power inverter start up time		≤1S			
产品尺寸 Size		40.5X18X8.5cm			
重 量 Weight		2.72Kg			

Charging and inverter all-in-one

充电和逆变一体机

MDA series



MDA Series



技术数据/Technicai parameter

型号	Model	MDA-500A	MDA-600A	MDA-1000A	MDA-1100A
		MDA-500B	MDA-600B	MDA-1000B	MDA-1100B
输入电压 Input voltage		A系列为12V输入，B系列为24V输入 / A series is 12V input,B series is 24V input			
输出电压 Output voltage		220V			
额定功率 Rated power		500W	600W	1000W	1100W
峰值功率 Peak power		1000W	1200W	2000W	2200W
效率 Efficiency		>90%			
保护电路 Protection		超负荷保护电路、输入高压切断电路、 输入低压切断电路、异常温度检测切断电路。 Overload protection,Input over-voltage protection, Input low-voltage protection,Over-temperature protection			
装箱数 Packed qty		8PCS			
外形尺寸 Dimensions		205X120X60mm		245X120X60mm	
重量 N.W		0.94kg	0.94kg	1.27kg	1.4kg
认证 Certification		ISO、CTA、CE			

LDA Series



技术数据/Technicai parameter

型号	Model	LDA-1000C	LDA-1000D
输入电压 Input voltage		A系列为12V输入，B系列为24V输入 / A series is 12V input,B series is 24V input	
输出电压 Output voltage		220V~240V	
额定功率 Rated power		1000W	
峰值功率 Peak power		2000W	
效率 Efficiency		>90%	
保护电路 Protection		超负荷保护电路、输入高压切断电路、 输入低压切断电路、异常温度检测切断电路。 Overload protection,Input over-voltage protection, Input low-voltage protection,Over-temperature protection	
装箱数 Packed qty		4PCS	
外形尺寸 Dimensions		422X193X70mm	
重量 N.W		3.4Kg	
认证 Certification		ISO、CTA、CE	

High frequency correction wave of solar inverter series
高频修正波太阳能逆变器系列
SDA series



技术数据/Technicai parameter

型号	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
输入电压	Input voltage	A系列为12V输入，B系列为24V输入 A series is 12V input,B series is 24V input						
输出电压	Output voltage	220V~240V						
额定功率	Rated power	300W	350W	400W	500W	600W	800W	1000W
峰值功率	Peak power	600W	700W	800W	1000W	1200W	1600W	2000W
效率	Efficiency	>70%						
保护电路	Protection	超负荷保护电路、输入高压切断电路、 输入低压切断电路、异常温度检测切断电路。Overload protection,Input over-voltage protection, Input low-voltage protection,Over-temperature protection						
装箱数	Packed qty	20PCS						
外形尺寸	Dimensions	160X95X54mm				200X95X54mm		
重量	N.W	0.54kg				0.77kg		
认证	Certification	ISO、CTA、CE						

High frequency correction wave of solar inverter series
高频修正波太阳能逆变器系列
SFA series



- 太阳能板/SOLAER PANEL
- 高效转换，快速输出输入/
Efficient conversion, output input quickly
- **USB** 接口

技术数据/Technicai parameter

型号	Model	SFA-500A	SFA-1000A
输入电压	Input voltage	A系列为12V输入，B系列为24V输入 A series is 12V input,B series is 24V input	
输出电压	Output voltage	220V~240V	
额定功率	Rated power	500W	1000W
峰值功率	Peak power	1000W	2000W
效率	Efficiency	>70%	
保护电路	Protection	超负荷保护电路、输入高压切断电路、 输入低压切断电路、异常温度检测切断电路。 Overload protection,Input over-voltage protection, Input low-voltage protection,Over-temperature protection	
装箱数	Packed qty	20PCS	
外形尺寸	Dimensions	160X95X55mm	200X95X55mm
重量	N.W	0.8kg	1.03kg
认证	Certification	ISO、CTA、CE	

High frequency correction wave of solar inverter series
高频修正波太阳能逆变器系列

SAA Series



技术数据/Technicai parameter

型号	Model	SAA-500A	SAA-500B	SAA-1000A	SAA-1000B	SAA-500C	SAA-1000C
输入电压	Input voltage	A系列为12V输入, B系列为24V输入 A series is 12V input,B series is 24V input					
输出电压	Output voltage	220V~240V					
额定功率	Rated power	500W		1000W		500W	1000W
峰值功率	Peak power	1000W		2000W		1000W	2000W
效率	Efficiency	>70%				>85%	
保护电路	Protection	超负荷保护电路、输入高压切断电路、 输入低压切断电路、异常温度检测切断电路。 Overload protection,Input over-voltage protection, Input low-voltage protection,Over-temperature protection					
装箱数	Packed qty	20PCS					
外形尺寸	Dimensions	160X95X55mm		200X95X55mm		226X95X55mm	267X95X55mm
重量	N.W	0.8kg		1.03kg		0.75kg	0.9kg
认证	Certification	ISO、CTA、CE					



技术数据/Technicai parameter

型号	Model	SAA-500AF	SAA-1000AF
输入电压	Input voltage	A系列为12V输入, B系列为24V输入 A series is 12V input,B series is 24V input	
输出电压	Output voltage	220V~240V	
额定功率	Rated power	500W	1000W
峰值功率	Peak power	1000W	2000W
效率	Efficiency	>70%	
保护电路	Protection	超负荷保护电路、输入高压切断电路、 输入低压切断电路、异常温度检测切断电路。 Overload protection,Input over-voltage protection, Input low-voltage protection,Over-temperature protection	
装箱数	Packed qty	20PCS	
外形尺寸	Dimensions	160X95X55mm	200X95X55mm
重量	N.W	0.8kg	1.03kg
认证	Certification	ISO、CTA、CE	

High frequency correction wave of solar inverter series
高频修正波太阳能逆变器系列

SUA series



智能风扇，风扇由负载控制。
低待机功耗，高效转换效率。
完善的输入、输出保护、高可靠性。
人性化的USB(1000MA)充电插口，更方便。

Smart fan, controlled by the load.
Low standby power cost, high conversion efficiency.
Perfect input and output protection, high reliability.
Humanized USB (1000Ma) charging socket, and so on.

技术数据/Technicai parameter

型 号	输出 电压	输出 功率	峰值 功率	频率	USB 输出	空载 电流	工作 电压	电压 范围	效率	产品尺寸	重量
Model	Output voltage	output power	Peak power	Frequency	USB output	no-load current	working volt	voltage range	Efficiency	product size	Weight
SUA-1500A	AC220V	1500W	3000W	50Hz	1000mA	<0.3A	DC12V	10.5-15V	>90%	24X9.5X5.5cm	0.90Kg
SUA-1500B	AC220V	1500W	3000W	50Hz	1000mA	<0.3A	DC12V	10.5-15V	>90%	24X9.5X5.5cm	0.90Kg
SUA-2000A	AC230V	2000W	2000W	50Hz	1000mA	<0.3A	DC12V	10.5-15V	>90%	24X9.5X5.5cm	0.90Kg
SUA-2000B	AC230V	2000W	2000W	50Hz	1000mA	<0.3A	DC12V	10.5-15V	>90%	24X9.5X5.5cm	0.90Kg
SUA-2000C	AC230V	2000W	2000W	50Hz	1000mA	<0.3A	DC12V	10.5-15V	>90%	30.5X12.7X67mm	1.6kg
SUA-2000 ⁺	AC230V	2000W	2000W	50Hz	1000mA	<0.3A	DC12V	10.5-15V	>90%	30.5X12.7X67mm	1.6kg

Smart car power inverter
车载智能电源逆变器
STA-E300A



1 LED 显示面板LED display
直观功率，精准显示电量
Accurate display power



- 1 输出负载功率过高 Overload
输入电压过低 Low Voltage
输入电压过高 High Voltage
USB可充电 USB uSB亮
- 2 风扇启动 Start -Fan
- 3 过温保护 over-temperature protection
- 4 输出功率 output power
- 5 "V" 交流电压输出 "V" ac voltage output
"VDC" 直流电压输出 "VDC" dc voltage output
- 6 电池电压显示 The battery voltage display
- 7 1.输入电压 The input voltage
2.输出电压 The output voltage
3.输出功率 The output power

2 自带点烟头 Bring cigarette lighter

自带点烟头无需外购专为车载设计
Special design for the car



3 多重保护技术Multiple protection technology

不怕使用错误而损坏逆变器
Never afraid to use error lead to
damage the inverter



超温保护
Overtemperature
protection



过载保护
Overload protection



输入低压保护
input-low voltage
protection



短路保护
Short circuit protection

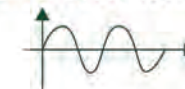


输入高压保护
input high voltage protection

技术数据/Technicai parameter

	型号	Model	STA-E300A
输出 Output	输出电压	Input voltage	AC210~240V
	输出功率	output power	300W
	峰值功率	Peak power	600W
	频率	frequency	50Hz
	USB		DC5V 2.1A,1A
输入 Input	空载电流	No-load current	<1A
	工作电压	Working voltage	DC12V
	电压范围	Voltage range	10~15V
	报警电压	Alarm voltage	11.1V
	低压保护	Low voltage protection	9.5V
	过压保护	Over voltage protection	15.8V
	最大效率	Maximum efficiency	>90%
产品尺寸		Size	130X81.5X53mm
		weight	0.45kg

Net Grid Photovoltaic Inverter
太阳能并网逆变器
GTI series



NEW

产品特点：

- 1、各种保护齐全，稳定可靠；电网电压过压保护；输入电压高保护、低压保护；高温保护；孤岛保护；频率保护。
- 2、输入采用专用接线端子，比普通接线柱更可靠安全。
- 3、散热风扇根据功率和温度智能控制，有效延长风扇寿命。
- 4、待机功耗低，转换效率高。
- 5、智能MPPT技术，效率高，反应速度快，输出稳定。
- 6、可多机并联使用，实现小功率逆变器并联为大功率输出功能。

Product Features:

- 1 Multiple stable and reliable protections: overvoltage protection, low Voltage Protection, over voltage shutdown, under voltage shutdown, over temperature protection, islanding detection, frequency protection.
- 2 Adopt specialized wiring terminal, greatly improve reliability & safety performance
- 3 Cooling fan is intelligently controlled and regulated by output power and temperature, which can help to lengthen product lifetime and lower replacement costs.
- 4 Low standby power consumption, high conversion efficiency
- 5 Intelligent MPPT technology, high efficiency, high reaction rate, stable output power
- 6 Multiple grid-tie inverters are compatible in the circuit in parallel. Small power grid-tie inverters in parallel to obtain high driving power output.



	GTI-N1000B	GTI-N600B	GTI-N300B
输出功率 Output Power	1000W	600W	300W
太阳能板 Solar Panel	Vmp:35-39V , Voc:42-45V		
MPPT电压范围 MPPT Voltage Range	30-40V		
Ac电压范围 AC Voltage Range	190 ~ 260V		
电网电压频率范围 Voltage Frequency Range of MV Power Network	50Hz±1%		
功率因素 Power Factor	> 97.5%		
MPPT效率 MPPT Efficiency	> 99%		
总谐波失真 Total Harmonic Distortion(THD)	< 5%		
相移 Phase Shift	< 2%		
转换效率 Conversion Efficiency	> 85%	> 86%	> 87%
最大效率 Maximum Efficiency	> 89%	> 89%	> 90%
工作温度 Operating Temperature	-20℃ ~ 45℃		
防水等级 Waterproof Rate	室内设计 Interior Design		
冷却方式 Cooling Mode	风扇智能控制 Intelligent design of the electric fan control system		
待机功耗 Standby Power Loss	2 ~ 3W		
尺寸 Product Size	257*195*88.5MM	210*195*88.5MM	180*195*88.5MM

Solar Power Inverter Series
太阳能逆变器系列

SON-1400MPPT
FPC-T1800CA



- 家用式挂墙式外壳
- 多重保护功能，电池电压低关机保护
- 负载过载保护，过充保护，过压保护，短路保护



SON-1400MPPT



FPC-T1800CA



LCD+LED 丰富多彩的显示

技术数据/Technicai parameter

MODEL		SON-1400MPPT	FPC-T1800CA
CAPACITY	VA/W	1400VA/800w	1800VA/800w
BATTERY	VDC	12V	12V
INPUT输入	Norminal Voltage	230V	230V
	Voltage Range	170-280VAC(narrow range) 90-280VAC(wide range)	170-280VAC(narrow range) 90-280VAC(wide range)
OUTPUT输出	Voltage	230V AC	230V AC
	Voltage Regulation(Bat.mode)	+10%~-18%	+10%~-18%
	Frequency	50Hz or 60Hz	50Hz or 60Hz
	Frequency Regulation(Bat.mode)	±1 Hz	±1 Hz
BATTERY&CHARGER 电池充电器	Output Waveform	Modified Sine-wave	Modified Sine-wave
	Charger current	15Amp or 20Amp Selectable ±2A	15Amp or 20Amp Selectable ±2A
THANSFERTIMET	Overcharge protection	15V	15V
	Typical	<15ms	<15ms
EFFICIENCY效率	AC to AC	>95%	>95%
	DC to AC	>80%	>80%
DISPLAY INDICATOR 显示/指标	AC Mode	Display output power, output voltage	Display output power, output voltage
	Battery Mode	The mark will flicker every 1 second	The mark will flicker every 1 second
	Battery Charging Mode	Display the battery capacity	Display the battery capacity
	Fault	Display fault	Display fault
AUDIBLE ALARM听得见的/ 报警	Low battery at battery mode	Sounding every 2 seconds	Sounding every 2 seconds
	Overload	Sounding every 0.5seconds	Sounding every 0.5seconds
	Fault	Display fault	Display fault
PROTECTION保护	Full protection	Discharge, overcharge, overload, over temperature protection	Discharge, overcharge, overload, over temperature protection
PHYSICAL物理	Dimension		
	Net weight (kgs)		
ENVIRONMENT环境	Operation environment	0~50℃, 5%~90% relative humidity (non-condensing)	0~50℃, 5%~90% relative humidity (non-condensing)
	Storage environment	-15 to 55, 5% to 95% humidity (non-condensing)	-15 to 55, 5% to 95% humidity (non-condensing)
	Noise Level	Less than 50dB	Less than 50dB

Car Fast charge Inverter Series
车载快速逆变器
STA-K350A



- QC 3.0 fast charging technology >
- Max inverting power 200W >
- LCD screen display >
- Smart temperature controlled fan >
- Built-in phone holder >

- QC3.0 快充>
- 逆变功率最大200W>
- LCD显示直观>
- 智能温控载控风扇>
- 方便的手机架>

型号MODEL	STA-K350A	
输出OUTPUT	输出电压	AC210~240V
	输出功率	200W
	峰值功率	400W
	频率	50Hz
输入INPUT	Usb	双DC 5V 2.1A 支持QC3.0 QC2.0 快充
	点烟器输出	DC 12V 3A
	空载电流	<0.5A
	工作电压	DC12V
	电压范围	10~15V
	报警电压	11.1V
	低压保护	9.5V
产品尺寸	过压保护	15.8V
	最大效率	>90%

Car power inverter UPS series

高频率太阳逆变器系列

SON-1400VA



适用于



PC



TV



Light



Electric fan

NEW



产品特点

- 小于15MS的切换时间。
- 800W大功率逆变输出。
- 30A PWM光伏自动充电，自动开关机。
- 20A 或10A 市电自动充电，自动开关机。
- 宽电压市电工作范围90V---280V。
- 自感应式逆变输出频率50HZ 或60HZ。
- LCD+LED 丰富多彩的显示。
- 多重的保护功能，电池电压低关机保护；
- 负载过载保护；过充保护；过压保护；
- 短路保护。

简介

这是一台包括一个DC TO AC 逆变器，一个太阳能控制的 光伏充电器，一个市电可选充电电流的恒流充电器，具有输出自动切换功的UPS电源设备。具有对电池有完善的保护的电源设备。具有特别适合容性负载的电源设备。

Introduction

It is a DC-to-AC inverter with auto line-to-battery transfer and integrated charging system, serving as an extended run UPS,a standalone power source or an automotive inverter, it supplies power from AC power and DC source. When AC cable is connected to a wall socket, utility power goes to connected equipment(s) and/or charges the battery set via charging system. In battery mode, It automatically converts battery energy into AC power for backing up the connected devices.

Specification

MODEL		SON-1000VA	SON-1400VA	SON-2400VA
1CAPACITY	VA/W	1000VA/660W	1400VA/800W	2400VA/1440W
BATTERY	VDC	12VDC		24VDC
INPUT 输入	Nominal Voltage	230V		
	Voltage Range	170-280VAC (Narrow Range) 90-280VAC (Wide Range)		
OUTPUT 输出	Voltage	230V AC		
	Voltage Regulation (Bat. Mode)	+10% ~ -18%		
	Frequency	50Hz or 60Hz		
	Frequency Regulation (Bat. Mode)	+/-1 Hz		
BATTERY & CHARGER 电池充电器	Output Waveform	Modified Sine-wave		
	Charger Current	15 Amp or 20Amp Selectable±2A		10 Amp
TRANSFERTIME	Overcharge Protection	15V		
	Typical	<15ms		
EFFICIENCY 效率	AC to AC	>95%		
	DC to AC	>80%		
DISPLAY INDICATOR 显示/指标	AC Mode	Display output power,output voltage		
	Battery Mode	The mark will flicker every 1 second.		
	Battery Charging Mode	Display the battery capacity		
	Fault	Display fault		
AUDIBLE ALARM 听得见的/报警	Low battery at battery mode	Sounding every 2 seconds		
	Overload	Sounding every 0.5 seconds		
	Fault	Continuously sounding		
PROTECTION 保护	Full Protection	Discharge, overcharge, overload, over temperature protection.		
PHYSICAL 物理	Dimension	277* 64.3*91.5mm		
	Net Weight(kgs)			
ENVIRONMENT 环境	Operating environment	0~50°C, 5%~90 % relative humidity (non-condensing)		
	Storage environment	-15 to 55, 5% to 95% humidity (non-condensing)		
	Noise Level	Less than 50dB		

High frequency correction wave of solar inverter series

快速智能新型充电器

A03-1224/A04-1240



国家专利 假冒必究

NEW

推荐！新产品



- 1.输入电压：220VAC +/-20%(176V-264V)。
- 2.输出电压：12-24V自适应识别。
- 3.输出电流：最大20A/600W。
- 4.充电方式：标准三段式，监控电池电压控制，随着电池电量的增加而调整充电电流，充满后转脉冲充电使电池保持充满状态。
- 5.充电电流0A-20A连续线性电位器可调。
- 6.可根据电池类型选择水电池和免维护电池。

Technical parameter

- 1 Input voltage: 220V AC +/-20% (176V-264V)
- 2 Output voltage: 12-24v Automatic Identification
- 3 Output current: Max 20A/600W
- 4 Charging Mode: Three Phase Charging Mode which will monitor battery voltage all the time. When the battery capacity increases, the charging current will be refreshed again. After the battery is fully charged, the charger will automatically convert to PWM charging mode to keep the battery charged.
- 5 Continuous linear potentiometer is adjustable when the charging current is 0A-20A.
- 6 Two type of batteries can be supported, water-activated battery or maintenance-free battery.

产品特点：

功能特点：

- 1.满电自停：智能充电，电池饱和后充满灯亮起提示，风扇由高速运转变为低速运转，电流自动减到最小，更好的保护电池。
- 2.数码显示：高清数码显示，灵敏度超高可以测到0.1A及以上的电流通过，数码显示为0时，表示充满状态。
- 3.多重保护：反接保护、短路保护、过热保护、低压保护。4.智能识别电压：操作方便，自动识别电池电压功能，充12V电池，显示12。充24V电池，显示24，避免因电压问题造成电池和充电器损坏。
- 5.自动灭火花：旧款充电器在正负极对接时，立刻出现火花，存在人身安全隐患，重则发生火灾。而本产品有自动“灭火”和短路保护功能，撞口反接时不会有火花，并自动保护充电器，不会因短路烧坏充电器。

Features:

- 1 Auto stop charging after fully charged. Adopt intelligent charging system, the indicator lights up when the battery is full. Fan speed is changing from high-speed to low-speed, charging current is automatically reduced to the minimum mode, which better protects the battery.
- 2 LED display: High definitions LED display and High sensitivity make sure to detect more than 0.1A charging current. It means the battery gets fully charged when the LED display shows "0".
- 3 Multi-protections: Reverse polarity protection, short circuit protection, overheating protection, low-voltage protection.
- 4 Battery voltage intelligent identification: Easy operation, the LED display shows the "12" or "24" when you are charging a 12V or 24V battery. For the most part, this can prevent the battery and charger from damaging because of charging voltage.
- 5 Spark elimination function: When you use an old charger to charge your battery, sparks will appear as soon as when the clips connect the anode and the cathode of the battery, which may exist potential safety problems. But this new charger has the function to eliminate sparks automatically, which largely protects the charger omnidirectionally.

- 满电自停
- 数码显示
- 多重保护
- 自动灭火花
- 自动识别电池电压

- Auto stop when full recharge
- Digital display
- Multiple protection
- Automatic fire extinguishingAutomatically
- identify the battery voltage

Smart fast charger

智能快速充电器

SON-1206D (5A)
SON-1210D (10A)

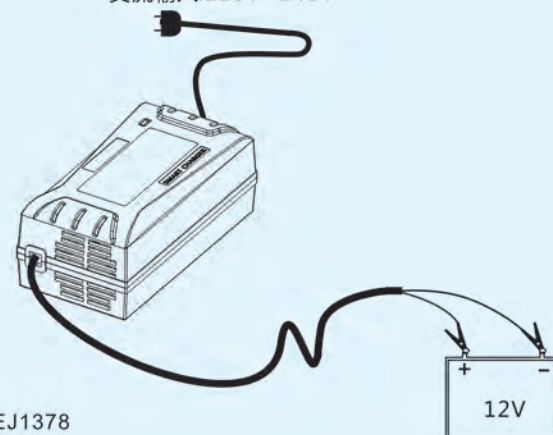
NEW



技术指标 Technical Parameters

- 最大充电电流: 5~10A
- 适用电池电压(DC): 12V
- 额定输入电压(AC): 110~240V
- 额定频率: 47~63HZ
- 满载效率: ≥87%
- 机械冲击及抗震动等级: 符合SAEJ1378要求
- 温度范围: -40~+95℃
- Peak charge current: 5~10A
- Battery voltage(DC): 12V
- Rated input voltage: 110V-240V
- Rated frequency: 47-63Hz
- Full load efficiency: ≥ 87%
- Mechanical shock & seismic levels: meet the requirement of SAEJ1378
- Working Temperature: -40~+95℃

交流输入:110V~240V



产品特性 Product feature

1. 本充电器产品采用微控制器MCU智能控制和管理蓄电池的充电过程，蓄电池充满自动停止充电。
2. 三段式（恒流、恒压、涓流）PWM调制充电方式；
3. 具有蓄电池在线检测，短路、过流、过压和反接保护等功能；
4. 详实的充电指示灯显示，直观反映充电过程，方便用户快速了解蓄电池当前状态。

1. This battery charger adopts micro MCU controller to manage the process of the battery charging. The charger will automatically stop charging when it is getting fully charged.
2. This battery charger adopts three-phase charging mode(PWM charging mode), which includes constant current charging phase, constant voltage charging phase, floating charging phase.
3. With online battery detection, short circuit protection, over voltage protection, Anti-reverse connecting protection, etc.
4. The smart charging indicator shows charging process directly, which facilitates users to master the status of the battery.

Pulse fast charger

脉冲快速充电器

SON-4803



- 智能温度补偿 / 电池电量显示 / 一键快充 / 电动车专用
- Intelligent temperature compensation
- Power display
- Fast charge
- Electric vehicles dedicated

充满自动断电 保护电池
Battery Protection, The charger will stop work when battery full of power.



产品特性 Product feature

- 特有一键快速充电，迅速缩短充电时间
- 智能温度补偿功能，冬天让电池充得更满
- 内嵌脉冲修复、保养模式，能有效防止电池硫化
- 防反接，防短路，无电池自动关闭输出，安全实用
- 特有电池电量显示；电池电量一目了然
- 充满自动停止充电，适用于任何新旧电池

技术指标 Technical indicators

- | | |
|--------------------|--------------------------------------|
| 充电电流: 2.5A /3A(最大) | Charging current: 2.5 A/3A(MAX) |
| 适用电池电压(DC):48V | The suitable battery voltage(DC):48V |
| 输入电压(AC):180~240V | Input voltage (AC):180~240V |
| 适用电池容量:12AH~24AH | Apply to battery capacity:12AH~24AH |

Product features :

- A key characteristic quick charge, shorten the charging time quickly.
- Intelligent temperature compensation function, let more full battery charge in the winter.
- Built-in pulse repair and maintenance mode, can effectively prevent battery sulfide.
- prevent the reverse, prevent short circuit, no battery automatically shut down output, safe and practical.
- Specific LED battery capacity display, the battery capacity be clear at a glance.
- The charger will stop work when battery full of power, It apply to any new and old batteries.

Smart Battery Charger

智能蓄电池充电器 全自动/手动+智能修复
Fully automatic/manual operation+Intelligent repair
A02-1224



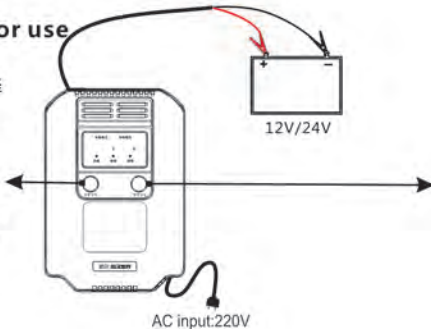
智能快速充电器是我们公司根据蓄电池特性而专业设计研发的，它采用先进的微电控制技术，具有五星级全方位保护电池，充满自动断电，保护电池；三段式智能充电，充电速度快；防反接，防短路；自动识别有无电池。本产品适用于铅酸蓄电池/胶体电池。

技术数据/Technicai parameter

型 号 Model	A02-1224B
充电电流 Charging current	手动2A, 4A, 6.9A或全自动充电
适用电池电压(DC) Apply to the battery voltage(DC)	12V/24V 自适应
额定输入电压(AC) rated input voltage(AC)	170V~250V
额定频率 Rated frequency	50Hz
满载效率 Rated frequency	≥87%
机械冲击及抗震动等级 Mechanical shock and vibration resistance level	符合SAEJ1378要求
温度范围 Temperature range	-40~+90℃

使用说明 Directions for use

- 手动充电/自动充电选择：按容量选择键：OU=2A慢充，OU=4A常规充，OU=6.9A快充，OU=AU全自动充。
- Manual operation/automatic charging options: by volume selection key: OU = 2A slow charge, OU = 4A conventional charge, OU = 6.9A fast charge, automatic charge.



- 修复充电：按修复键显示RE=ON表示打开修复功能，修复指示灯常亮表示修复功能开始充电，RE=OF表示关闭修复功能（修复时间为90分钟）。
- Repair Charge: Press Repair to display RE = ON means open repair, indicator light indicates repair start charging, RE = OF means closed repair(Repair time is 90 minutes).

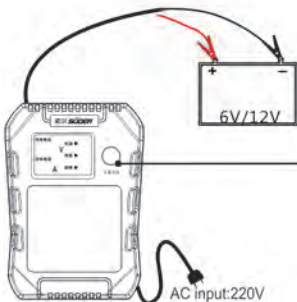
Smart Battery Charger

智能蓄电池充电器 全自动/手动+智能修复
Fully automatic/manual operation+Intelligent repair
A01-0612



技术数据/Technicai parameter

型 号 Model	A01-0612A
充电电流 Charging current	手动1A, 2A, 4A, 6.9A或全自动充电
适用电池电压(DC) Apply to the battery voltage(DC)	6V/12V 自适应
额定输入电压(AC) rated input voltage(AC)	170V~250V
额定频率 Rated frequency	50Hz
满载效率 Rated frequency	≥87%
机械冲击及抗震动等级 Mechanical shock and vibration resistance level	符合SAEJ1378要求
温度范围 Temperature range	-40~+90℃



- 容量选择/修复开关：短按选择电流OU=1A，OU=2A，OU=4A，OU=6.9A，OU=AU全自动充，长按3秒以上后打开修复功能(显示RE=ON)，修复指示灯常亮表示开始修复充电,再长按3秒以上关闭修复功能(显示RE=OF),修复充电时短按也可选择修复电流,修复时间为90分钟。
- Capacity selection / repair switch:Short pressing for electric current selection (OU=1A, OU=2A, OU=4A, OU=6.9A, OU=AU fully-automatic charge) ; press 3 seconds for opening the repair function (display RE = ON) ; repair indicator light is often said to start repairing charge, press 3 seconds again for closeing the repair function (display RE=OF) ; when the charger is in the mode of repairing,short press can also turn to repair electric current, repair time is 90 minutes.

Fully automatic digital charger
全自动脉冲数显充电器
MC Series

电量/电流/电压/显示
Power/voltage/current/show



220V 市电输入
220V mains input

产品特点:

- 1. 全程脉冲充电：充电快，充得满。
- 2. 电池寿命长。
- 3. 充电电流，电池电压数字显示。
- 4. 直观的灯条显示电池电量指示。
- 5. 短路，过流保护。
- 6. 电池反接保护。

Product features:

- 1. full pulse charging: fast charging, charging a full.
- 2. long battery life.
- 3. It displays charging current and battery's voltage.
- 4. The light bar displays battery's capacity intuitively.
- 5. The function of short circuit protection and over current protection.
- 6. Reverse connecting protection.



技术数据/Technicai parameter

型 号 Model	MC-1230A	MC-1230B	MC-1240A	MC-1240B
输入电压 Input voltage	220V			
输入频率 Input frequency	50Hz			
充电电流 Charging current	5/10/15/20/25/30A 可任意设置Any Settings		5/10/15/20/25/30/35/40A 可任意设置Any Settings	
电池电压 Battery's voltage	12V	24V	12V	24V
充电模式 Charging mode	三段式 three-steps			
浮充电压 Float charge	13.5/27V±0.2V DC			
尺寸 Size	285X165X100MM			
认证 Certification	ISO CTA CE			

Fully Auto Digital Charger / Engine Starts
全自动数码充电器+引擎启动
DC series



产品特点：

- 1. 三段式智能充电
- 2. 适用于电压为100-220V AC的地区
- 3. 使用与电压12V容量大于12AH的蓄电池
- 4. 具有输出短路保护，输出反接保护，过温保护，蓄电池修复等功能
- 5. 直观液晶显示

Product Features:

- 1. Three-phase Intelligent Charging Mode.
- 2. Applicable to the area with AC 100-220V.
- 3. Applicable to the battery with 12v voltage and more than 12AH capacity.
- 4. Built-in output short circuit protection, output reverse connection protection, over-temperature protection and battery repair function.
- 5. screen display.

	DC-W1204A	DC-W1206A
输入电压 Input Voltage	100-220V	50Hz
输入电流 Input Current	0.3A	0.5A
最大输出电流 Max Output Current	4A	6A
恒压输出电压 Constant Output Voltage	根据所选的电池类型而定: 水铅酸电池15.2V, 免维护电池14.7V, 胶体电池13.7V Charging voltage is based on the type of battery: Water lead-acid battery 15.2V, Maintenance-free Battery 14.7V, Gel Battery 13.7V	
电池类型 Battery Type	电压为12V Battery Voltage: 12V	
工作温度 Working Temperature	-10℃~+40℃	
储存温度 Storage Temperature	-20℃~70℃	
尺寸 Dimensions	186*105*30.8mm	



产品特点：

- 1. 三段式恒流、恒压、浮充（涓流）快速充电
- 2. 30A强力引擎启动功能
- 3. 高效率电量转换技术
- 4. 简洁和轻便的设计
- 5. 各种工作状态的直观数码显示
- 6. 智能数码电池修复激活功能
- 7. 数字式多种电源内部保护电路
- 8. 铝镁合金外壳、平面拉丝及金属阳极氧化工艺

Product features:

- 1. Three-phase constant current, constant voltage, floating (trickle) quick charge
- 2. Powerful engine start function
- 3. High efficient power transfer technology
- 4. Compact and lightweight design
- 5. All kinds of working state digital display
- 6. Intelligent digital battery repair and active function
- 7. Various of digital power circuit protection
- 8. Aluminum magnesium shell, plane drawbench and metal anodic oxidation technology



技术数据/Technicai parameter

型号	Model	DC-1220A	DC-1236A	DC-2410A	DC-2420A	DC-1210A	DC-1230A	DC-1240A
输入电压	Input voltage	AC:220V 50Hz				AC:220V 50Hz		
输入电流	Input current	5A	8A	2.5A	5A	2.5A	8A	8A
最大输出电流	Maximum output current	20A±3A	36A±3A	18A±1.5A	20A±3A	10A±3A	20A±3A	30A±3A
恒压输出电压	Constant voltage output voltage	14.6±0.3V DC		29±0.6V DC		15.2±0.2V DC		
电池类型	The battery type	12V/24V, >24AH						
工作温度	Working temperature	-10℃~40℃						
储存温度	Storage temperature	-20℃~70℃						
尺寸	Size	183X96X55MM	211X96X55MM	183X96X55MM	211X96X55MM	153X128X68MM	188X128X68MM	235X128X68MM
重量	Weight	约 0.95kg				约 1.20kg		

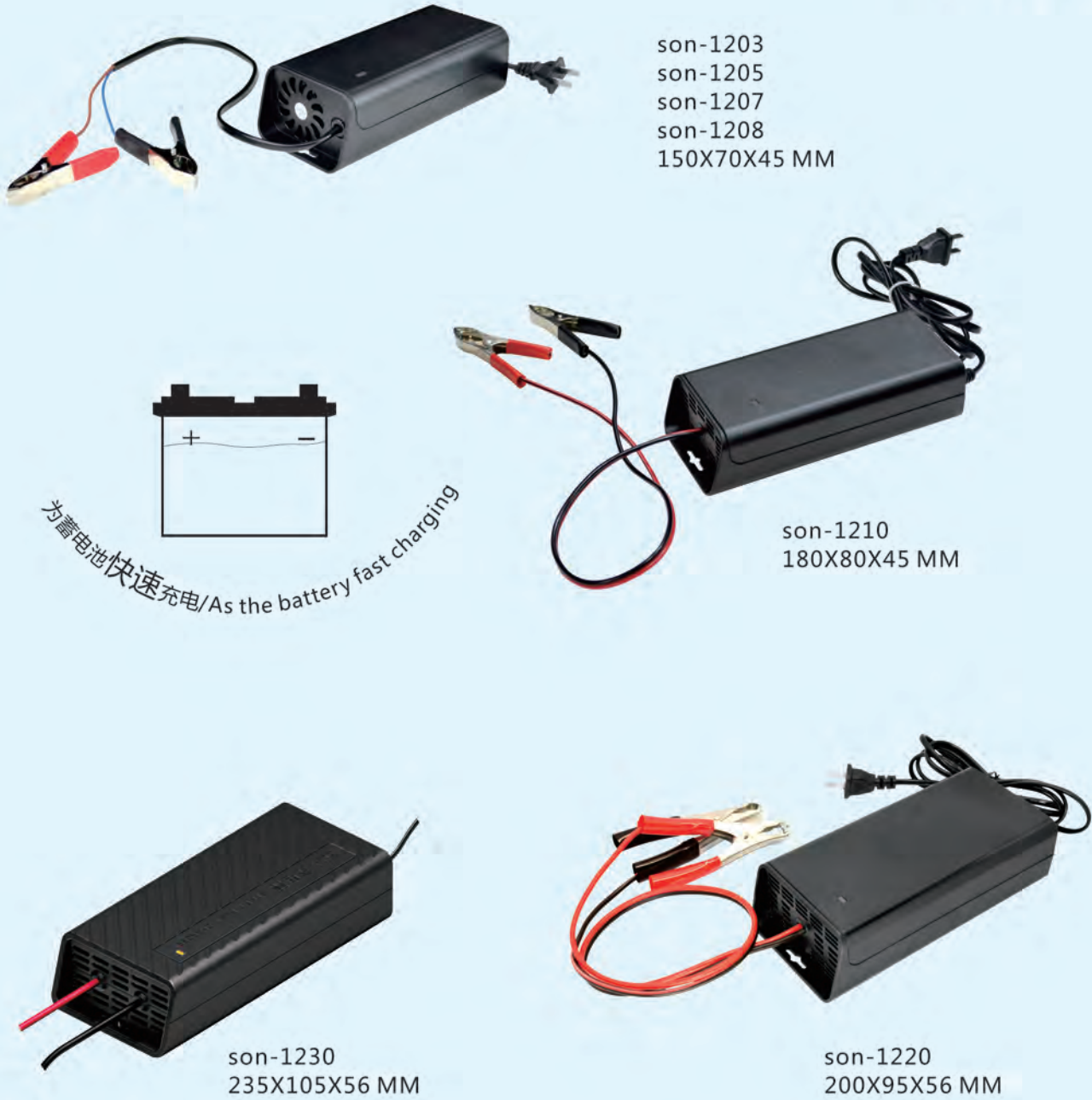
Digital display charger 数显充电器 SON series



技术数据/Technicai data

型号 Model	输入电压 Input voltage	额定电压 Rated voltage	恒流充电电流 Constant charge current	恒定充电电压 Constant charge voltage	尺寸 Size
SON-10A	AC220V±10% 50Hz	6V/12V	10A± 5%	6.8V/13.6V	128X92X53MM
SON-20A	AC220V±10% 50Hz	12V/24V	20A± 5%	13.6V/27.8	180X126X73MM
SON-10A ⁺	AC220V±10% 50Hz	6V/12V	10A± 5%	6.8V/13.6V	130X96X60MM
SON-20A ⁺	AC220V±10% 50Hz	12V/24V	20A± 5%	13.6V/27.8	185X120X68MM

Smart fast charger 智能快速充电器 SON series



最大充电电流(MAX): 3A/5A/7A/8A/10A/20A/30A
 适用电池电压(DC):12V
 输入电压(AC):100~240V

五星级全方位保护电池

- 充满自动断电, 保护电池
- 三段式智能充电, 充电速度快
- 防反接, 防短路
- 自动识别有无电池, 无电池自动关闭输出
- 悬挂式设计, 方便安装

The maximum charging current(MAX): 3A/5A/6A/7A/10A/20A
 The suitable battery voltage(DC):12V
 Input voltage (AC):100~240V

- Omni-directional battery protection functions.
- The power will be turned off automatically when the battery gets fully charged.
 - Three-phase charging mode makes it charge quickly.
 - Reverse connect protection and short circuit protection.
 - It can judge whether there is a battery, and will shut down automatically if there is no one,
 - No spark appears when connecting, very safe.
 - Hanging style design makes it easy to install.

Battery Charger
电池充电器

Castle UPS series
电源管理专家系列

MA-1210A



MA-1230A



技术数据/Technicai parameter

Table with 5 columns: Model, MA-1210A, MA-1230A/MA-1230E, MA-2410, MA-2415. Rows include Input voltage, Rated frequency, Charge current, Output voltage, Charge mode, Packed qty, and Certification.

MA-1220A



MA-1204



技术数据/Technicai parameter

Table with 2 columns: Model, MA-1220A, MA-1204(MA-1220). Rows include Input voltage, Output voltage, Rated frequency, Full load efficiency, Charge current, Packed qty, Dimensions, Weight, Charge mode, and Certification.

硬件展示

可灵活安装超强LCD显示

用户可以选择横向或者纵向安装显示屏，通过LCD实时查询输入，输出电压，电池电量，负载比例，市电状态和停电状态，故障指示等实时信息。

NEW



● 技术数据/Technicai parameter

Large technical specification table with multiple columns for models (SON 1KD, SON 1KSD, SON 2KSD, SON 3KSD, SON 4KSD, SON 5KSD) and rows for various parameters like Input, Battery, Output, Conversion Time, etc.

● 电池包备电时间表/Battery pack for electric schedule

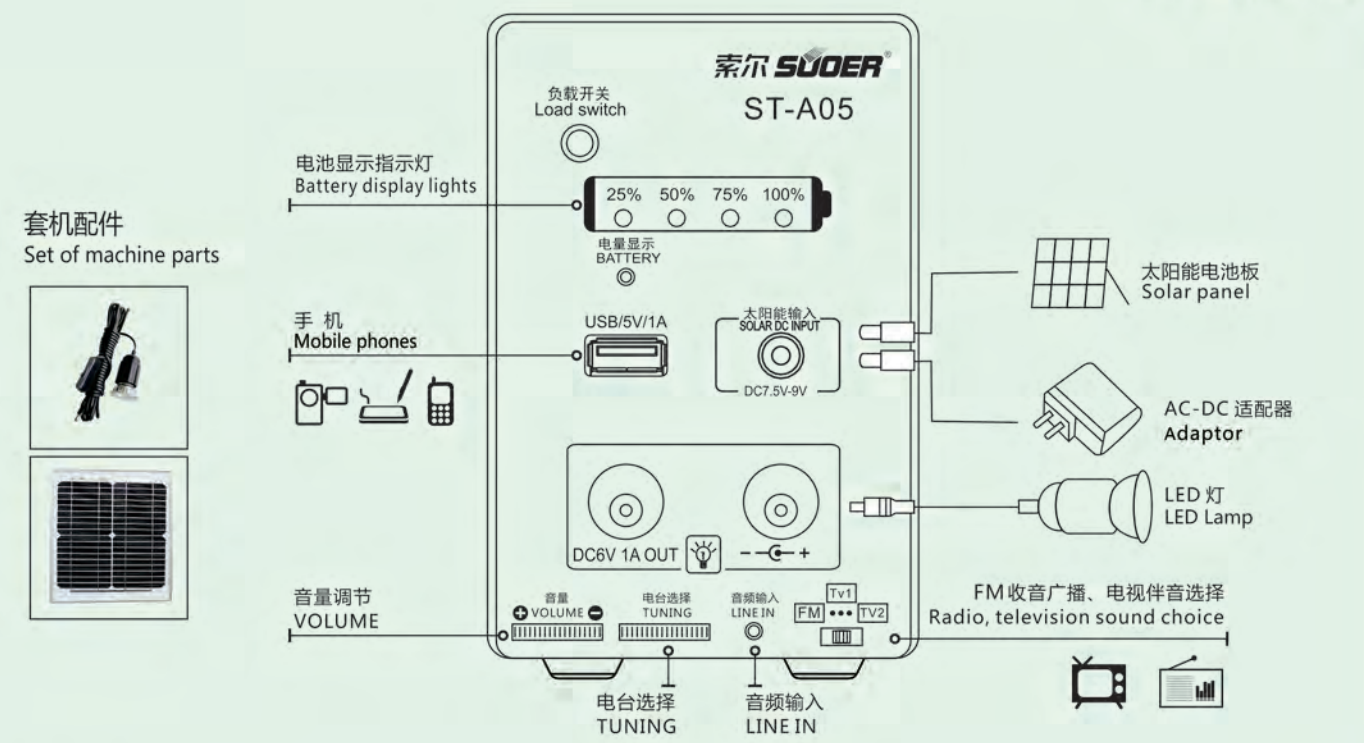
Table showing battery pack backup time for different models (SON 1KSD, SON 2KSD, SON 3KSD) across various load conditions.

Portable solar generator series
便携式太阳能发电机系列
ST-A

The sample application
应用示例



随时随地收听FM广播、电视伴音
Listen to FM radio, television sound anytime and anywhere



技术参数 / Technical parameter		ST-A01	ST-A02	ST-A03	ST-A05	ST-A07
型号	Model	ST-A01	ST-A02	ST-A03	ST-A05	ST-A07
电池容量	Battery capacity	12V/4AH	12V/7AH	6V/4AH	6V/4AH	12V/7AH
额定充电电流	Rating charging current	3A				
DC接口	DC interface	2	4	2	2	4
Dc座总输出	DC total output	12V/3A		6V/3A	6V/3A	12V/5A
反接保护	Reverse connect protection	✓				
输出保护	Output protection	✓				
USB输出接口	USB output interface	1				
USB输出	USB output	5V/1A				
USB输出保护	USB output protection	✓				
空载损耗	Excitation loss	5MA (AC:300MA)				
待机损耗	Standby loss	0.2MA				0.5MA
充电回路压降	Charging circuit pressure drop	≤0.26V				
放电回路压降	Discharge circuit voltage drop	≤0.15V				
充电控制方式	Charging control mode	PWM脉宽调制 PWM Pulse Width Modulation				
放电恢复电量	Restore electricity discharge	≤15%				
直充电压	Charging voltage	13.6V		7.5V		
均充电压	Even charging voltage	14.2V		7.5V		14.2V
浮充电压	Float charging voltage	13.8V		7.3V		
电池过压保护	Battery over-voltage protection	17V		8V		
放电截止电压	Discharge cut-off voltage	10.5V		5V		
交流输入电压	The AC input voltage					110V~240V
音响功能	Audio function	FM:87.5~108MHZ TV1 Sound: 56.25~91.75MHZ. TV2 Sound: 174.75~222.25MHZ.				
额定功率	Power	3W				
额定阻抗	Impedance	4Ω				
放电截止电压	Distortion measure	≤0.8%				
信噪比	S/N ratio	≥60DB				
频率响应	Frequency	30Hz-15KHz				
噪限灵敏度	Sensitibity	3UV				
放电截止电压	Selective	50DB(±200KHz)				5V
输入接口	Line in	3.5mm				
尺寸	Size	205X80X120mm				

Portable solar generator series
便携式太阳能发电机系列
ST-B

ST-B01



ST-B02

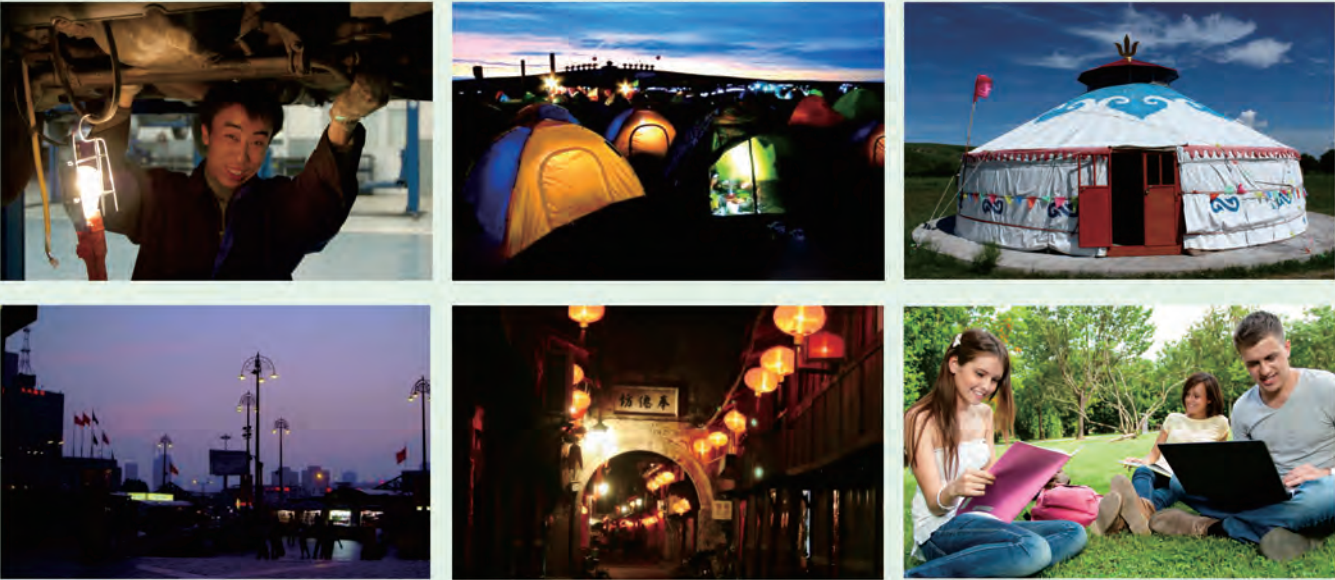


ST-B03



太阳能电池板/照明/功放/MP3/USB+SD+FM+数码管LED显示+记忆功能+红外远程遥控+蓝牙

With multi-function, it is more than a portable solar charger. We provide the buyer with solar panel, lighting, power amplifier, Mp3, USB/TF/Bluetooth/FM/digital tube LED display together with the solar charger for free.



技术参数 / Technical parameter

型号	Model	ST-B01	ST-B02	ST-B03
电池容量	Battery capacity	12V/12AH	12V/4AH	12V/4AH
额定充电电流	Rating charging current	4A	3A	3A
DC接口	DC interface	6	3	3
DC座总输出	DC total output	12V/4A	12V/3A	12V/3A
反接保护	Reverse connect protection		√	
输出保护	Output protection		√	
USB输出接口	USB output interface	2	1	
USB输出	USB output		5V/1A	
USB输出保护	USB output protection		√	
空载损耗	Excitation loss		5MA (AC:300MA)	
待机损耗	Standby loss		0.2MA	
充电回路压降	Charging circuit pressure drop		≤0.26V	
放电回路压降	Discharge circuit voltage drop		≤0.15V	
电池过压保护	Battery over-voltage protection		17V	
直充电压	Charging voltage		13. 6V	
均充电压	Even charging voltage		14. 2V	
浮充电压	Float charging voltage		13.8V	
充电控制方式	Charging Control mode		PWM Pulse Width Modulation	
放电截止电压	Discharge cut-off voltage		10. 5V	
放电恢复电量	Restore electricity discharge		≤15%	
音响功能	Audio function		FM:87. 5~108MHZ USB/TF/LINE IN	FM:87. 5~108MHZ USB/TF/Bluetooth/Line in
额定功率	Power		10W+10W	
额定阻抗	Impedance		4Ω	
放电截止电压	Distortion measure		≤0. 3%	
信噪比	S/N ratio		≥80DB	
频率响应	Frequency		40Hz-40KHz	
USB标准	USB standard		USB2.0/1.0	
放电截止电压	Selective		90DB±2DB	
输入接口	Line in		3.5mm	
红外遥控	Ir remote		√	
尺寸	Size		210X112X122 mm	

Portable solar generator series
便携式太阳能发电机系列
ST-C

ST-C01



ST-C02



ST-D01S



- 适用于电视
- 风机上的应用
- 电钻中的应用
- 适用于直流灯
- USB 5V/1A
- Suitable for television
- Application of fan
- Application of electric drill
- Suitable for DC lamp
- USB 5V/1A



太阳能充电
Solar charging

市电输入
Mains input

技术参数 / Technical parameter

型号	Model	ST-C01	ST-C02
电池容量	Battery capacity	12V/17AH	
额定充电电流	Charging current rating	3A	
DC接口	DC interface	8	
DC座总输出	DC total output	12V/5A	
反接保护	Reverse connect protection	√	
输出保护	Output protection	√	
交流输出	AC output	220V~240V / 500W (peak power) / 150W(output power)	
交流输出接口	USB output interface	1	
效率	Efficiency	>70%	
USB输出	USB output	5V/2A	
USB输出接口	USB output interface	2	
USB输出保护	USB output protection	√	
空载损耗	Excitation loss	5MA (AC:300MA)	
待机损耗	Standby loss	0.2MA	
充电回路压降	Charging circuit pressure drop	≤0.26V	
放电回路压降	Discharge circuit voltage drop	≤0.15V	
电池过压保护	Battery over-voltage protection	17V	
提升充电电压	Enhance the charging voltage	14. 8V	
直充电压	Charging voltage	13. 6V	
均充电压	Even charging voltage	14. 2V	
浮充电压	Float charging voltage	13.8V	
充电控制方式	Charging control mode	PWM Pulse Width Modulation	
放电截止电压	Discharge cut-off voltage	10. 5V	
放电恢复电量	Restore electricity discharge	≤15%	
尺寸	Size	260X100X195mm	

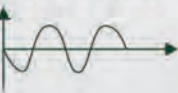
减少生活噪音污染 养生族力荐静音家电
It is very suitable for people who pay much attention to health maintenance since it can reduce the noise pollution.



技术参数 / Technical parameter

型号	Model	ST-D01S
电池容量	Battery capacity	12V/24AH
额定充电电流	Rating charging current	2A
DC接口	DC interface	4
交流输出	AC output	AC:230V/350W/50HZ
峰值功率	Peak power	500W
DC座总输出	DC total output	DC:12V/3A
反接保护	Reverse connect protection	√
输出保护	Output protection	√
USB输出接口	USB output interface	2
USB输出	USB output	5V/2A
USB输出保护	USB output protection	√
空载损耗	Excitation loss	5MA (AC:300MA)
待机损耗	Standby loss	0.2MA
充电回路压降	Charging circuit pressure drop	≤0.26V
放电回路压降	Discharge circuit voltage drop	≤0.15V
电池过压保护	Battery over-voltage protection	17V
提升充电电压	Enhance the charging voltage	14. 8V
直充电压	Charging voltage	13. 6V
均充电压	Even charging voltage	14. 2V
浮充电压	Float charging voltage	13.8V
充电控制方式	Charging control mode	PWM Pulse Width Modulation
放电截止电压	Discharge cut-off voltage	10. 5V
放电恢复电量	Restore electricity discharge	≤15%
市电输入电压	The AC input voltage	110V~240V
效率	Efficiency	>70%
尺寸	Size	305X180X165 mm

UPS frequency inverter series
UPS工频逆变器系列
HPA series



HPA-500/1000

HPA-500CT/1000CT
内置太阳能控制器
built-in solar controller



Solar Panel
太阳能板



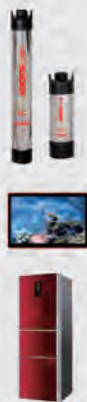
Solar controller
太阳能控制器



Battery
蓄电池



UPS frequency inverter
UPS工频逆变器系列



AC Loads
交流负载



DC Loads
直流负载

UPS frequency inverter series
UPS工频逆变器系列
HPA-500/1000



技术参数 / Technical parameter

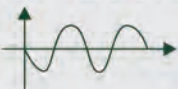
型号 Model		HPA-500	HPA-1000
容量 Capacity(W)		500W	800W
交流输入 AC input	电压 Voltage	AC 145~275V	
	频率 Frequency	50Hz±10%	
DC 输入 DC input	电压(外接电池) Voltage	DC12V / DC24V / DC48V	
	低压保护 Low-voltage protection	DC10.5V / DC21V / DC42V	
	过压保护点 Overvoltage protection	DC15V / DC28V / DC60V	
交流输出 AC output	电压 Voltage	AC220V±5% (DC模式) 190-240V (AC模式)	
	频率 Frequency	50±0.5Hz (DC模式) 同步市电 (AC模式)	
	波形 Waveform	正弦波 (失真度≤3%) Sinewave	
	效率 Efficiency	≥80% (DC TO AC)	
外形尺寸 Dimensions		338X146X215cm	
充电时间 Charge	充电电流 Charge current	最大充电电流15A(可按客户要求更改) Maximum charge current 15A could change according to customer requirement	
	充电效率 Charge efficiency	8-15小时,回充90% 8-12hours, recharge90%	
转换时间 Conversion time		≤4ms	
保护 Protect		过载、短路、电池高低压保护 Overload、short circuit、battery of high and low voltage protection	
报警声 Alarm		过载、短路、电池高低压保护 Overload、short circuit、battery of high and low voltage protection	
		当电池电压接近关机点时报警声由慢变快,直到设备自动关机 When the voltage of battery gets to the closing point, the alarm rings faster and faster till the equipments switch off automatically.	
显示 Display		市电下显示市电工作状态,负载及充电情况,电池下显示电池工作状态,电池容量等 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	
环境 Environment	噪声 Noise	≤45dB	≤50dB
	温度 Temperature	0°C±40°C	
	湿度 Humidity	10%±90%	

HPA-500CT/1000CT

技术参数 / Technical parameter

型号 Model		HPA-500CT	HPA-1000CT
容量 Capacity(W)		500W	800W
交流输入 AC input	电压 Voltage	AC 145~275V	
	频率 Frequency	50Hz±10%	
太阳能充电 Solar charger		20A	
DC 输入 DC input	电压(外接电池) Voltage	DC12V / DC24V / DC48V	
	低压保护 Low-voltage protection	DC10.5V / DC21V / DC42V	
	过压保护点 Overvoltage protection	DC15V / DC28V / DC60V	
交流输出 AC output	电压 Voltage	AC220V±5% (DC模式) 190-240V (AC模式)	
	频率 Frequency	50±0.5Hz (DC模式) 同步市电 (AC模式)	
	波形 Waveform	正弦波 (失真度≤3%) Sinewave	
	效率 Efficiency	≥80% (DC TO AC)	
外形尺寸 Dimensions		338X146X215cm	
充电时间 Charge	充电电流 Charge current	最大充电电流15A(可按客户要求更改) Maximum charge current 15A could change according to customer requirement	
	充电效率 Charge efficiency	8-15小时,回充90% 8-12hours, recharge90%	
转换时间 Conversion time		≤4ms	
保护 Protect		过载、短路、电池高低压保护 Overload、short circuit、battery of high and low voltage protection	
报警声 Alarm		过载、短路、电池高低压保护 Overload、short circuit、battery of high and low voltage protection	
		当电池电压接近关机点时报警声由慢变快,直到设备自动关机 When the voltage of battery gets to the closing point, the alarm rings faster and faster till the equipments switch off automatically.	
显示 Display		市电下显示市电工作状态,负载及充电情况,电池下显示电池工作状态,电池容量等 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	
环境 Environment	噪声 Noise	≤45dB	≤50dB
	温度 Temperature	0°C±40°C	
	湿度 Humidity	10%±90%	

UPS frequency inverter series
UPS工频逆变器系列
ST-E series



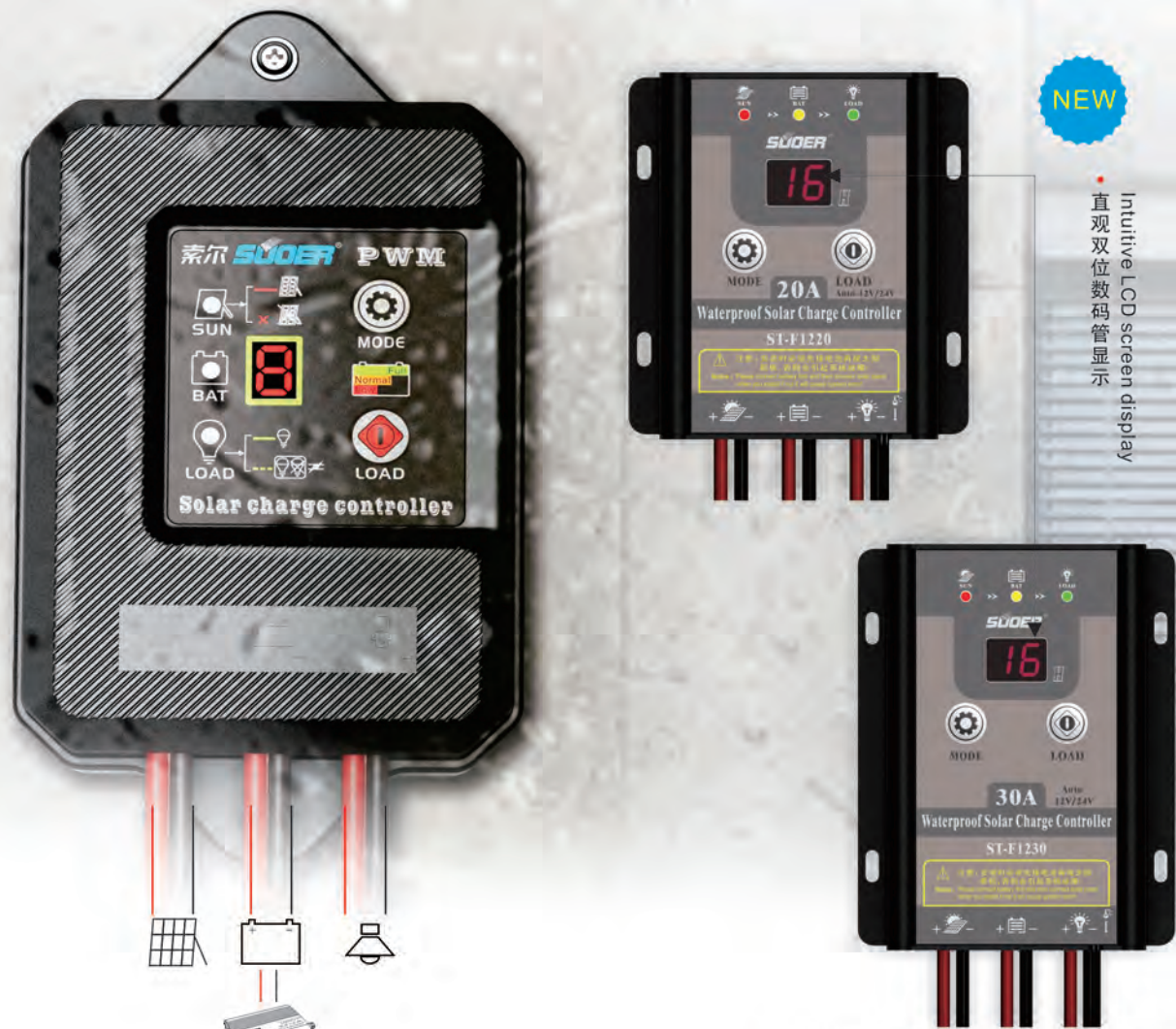
All-in-one solar charging and inversion device
一体化太阳能充电和逆变装置



技术参数 / Technicai parameter

型号	Model	ST-E01	ST-E02
电池容量	Battery capacity	24V/24AH	24V/60AH
额定充电电流	Rating charging current	5A	10A
DC接口	DC interface	1	1
交流输出	AC output	AC:230V/1000W (peak power) /650W(output power)/50HZ	AC:230V/1500W (peak power) /1000W(output power)/50HZ
DC座总输出	DC total output	24V/5A	24V/5A
反接保护	Reverse connect protection	√	√
输出保护	Output protection	√	√
USB输出接口	USB output interface	2	2
USB输出	USB output	5V/2A	5V/2A
USB输出保护	USB output protection	√	√
空载损耗	Excitation loss	5MA (AC:300MA)	5MA (AC:300MA)
待机损耗	Standby loss	0.2MA	0.2MA
充电回路压降	Charging circuit pressure drop	≤0.26V	≤0.26V
放电回路压降	Discharge circuit voltage drop	≤0.15V	≤0.15V
充电控制方式	Charging control mode	PWM pulse width modulation	Pwm pulse width modulation
市电输入电压	The AC input voltage	110V~240V	110V~240V
效率	Efficiency	>70%	>70%
尺寸	Size	433X210X384 mm	

PWM waterproof solar charge controller
PWM 防水太阳能充电控制器
ST-F series



NEW
直观双位数数码管显示
Intuitive LCD screen display

• Ip67防水等级控制器，耐老化，耐腐蚀
IP67 Waterproof level controller,
aging-resistance, corrosion resistance,

保护功能：

- 1.太阳能板反接保护
- 2.电池反接保护
- 3.太阳能充电为PWM充电
- 4.负载过载保护
- 5.充电防倒流

Protection function:

- 1. Solar panels reverse connection protection
- 2. Reverse battery protection
- 3. Solar charging charging for PWM
- 4. Overload protection
- 5. Charging backflow prevention

技术参数 / Technicai parameter

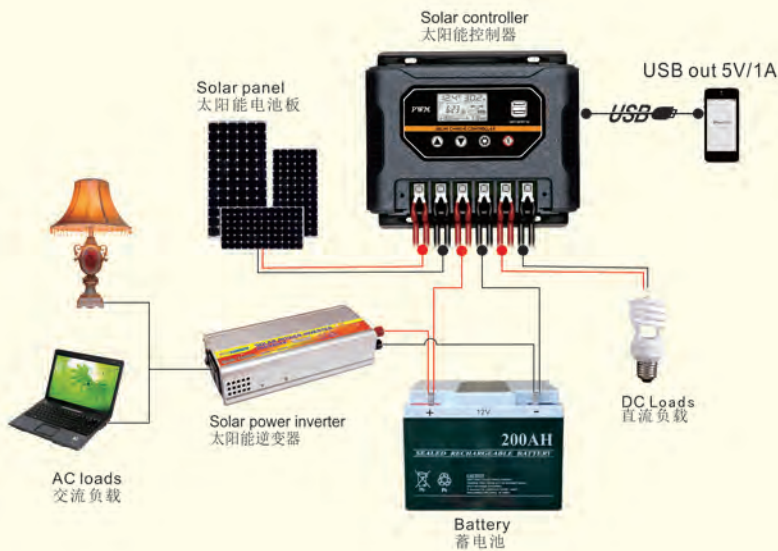
类别Type	型号 Model	ST-F1205	ST-F1210	ST-F1220	ST-F1230
太阳能板电压范围 Solar panel voltage range		15V-40V		18V-24V 36V-48V	
适应电池电压 To adapt to the battery voltage		12V/24V		12V/24V	
最大输出电流 The maximum output current		5A	10A	20A	30A
最大充电电流 The maximum charge current		5A	10A	24A	35A
推荐太阳能板功率 Recommended solar panels power		12V 24V (40W) (80W)	12V 24V (80W) (160W)	12V 24V (200W)(400W)	12V 24V (300W)(600W)
待机功耗Stand-by power consumption		<10MA		<20MA	
推荐电池容量 Recommended battery capacity		>24AH	>60AH	>120AH	>180AH
负载过载自动恢复时间 Overload Automatic Recover Time		30S			
防水等级Waterproof Level		Ip67			
尺寸 Size		74X24.2X134mm		108X100X30mm	128X100X30mm

Solar charge controller series
太阳能充电控制器系列
ST-W

Solar charge controller series
太阳能充电控制器系列
ST-G

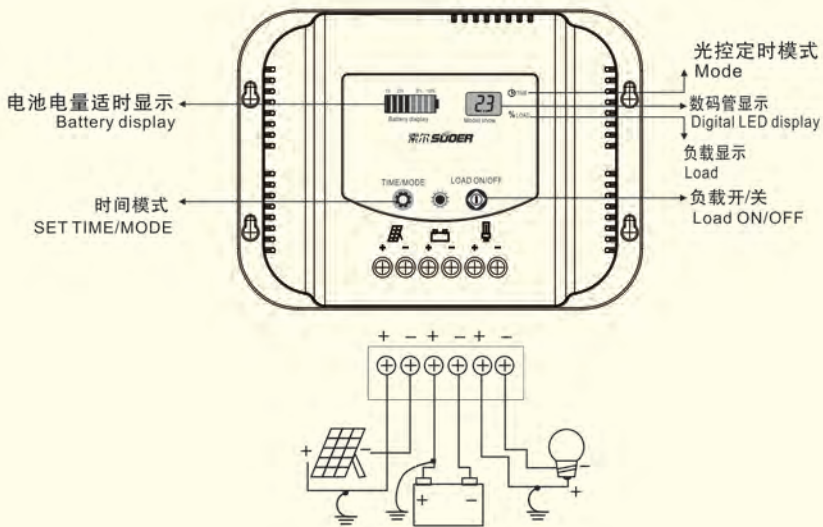


- ◆单片机控制
 - ◆负载轮流工作，LVR可以自行设置
 - ◆过载保护
 - ◆短路保护
 - ◆反向放电保护
 - ◆极性接反保护
 - ◆雷电保护
 - ◆过放电保护
 - ◆过充保护
- ◆MCU control
 - ◆Load turns on work,LVR can be seted up
 - ◆Overloading protection
 - ◆Short circuit protection
 - ◆Reverse discharge protection
 - ◆Reverse polarity connection protection
 - ◆Thunder and Lighting protection
 - ◆Overdischarge protection
 - ◆Overcharge protection



High efficiency, powerful function.
效率高, 用途广

型号 Model	ST-W 1210	ST-W 1220	ST-W 1230	ST-W 4810	ST-W 4820	ST-W 4830	ST-W 6010	ST-W 6020	ST-W 6030	ST-W 1240	ST-W 1250	ST-W 1260	ST-W 4840	ST-W 4850	ST-W 4860	ST-W 6040	ST-W 6050	ST-W 6060
类别 Category	12V	12V	12V	48V	48V	48V	60V	60V	60V	12V	12V	12V	48V	48V	48V	60V	60V	60V
适应电池电压 Adapt to battery voltage	12V	12V	12V	48V	48V	48V	60V	60V	60V	12V	12V	12V	48V	48V	48V	60V	60V	60V
最大输出电流 Maximum current output	10A	20A	30A	10A	20A	30A	10A	20A	30A	40A	50A	60A	40A	50A	60A	40A	50A	60A
推荐太阳能板功率 Solar panels power	12V (90W) 24V (180W)	12V (180W) 24V (360W)	12V (270W) 24V (540W)	360W	720W	1000W	450W	900W	1250W	12V (360W) 24V (720W)	12V (450W) 24V (900W)	12V (540W) 24V (1080W)	1440W	1800W	2160W	1800W	2250W	2700W
尺寸 Size	125X86X33.5mm									200X173X63mm								



技术参数 / Technical parameter

型号 Model	ST-G1205	ST-G1210	ST-G1215	ST-G1220	ST-G1230
额定充电功率 Rated charging power	60W	120W	180W	240W	360W
额定充电电流 Rating charging current	5A	10A	15A	20A	30A
电池电压 Battery voltage	12V / 24V				
直充电压 Charging voltage	13.6V / 27.2V				
浮充电压 Float charging voltage	13.8V / 27.6V				
放电截止电压 Discharge cut-off voltage	10.5V / 21V				
电池过压保护 Battery over-voltage protection	17V / 34V				
输出保护 Output protection	大于1.25倍额定电流60秒保护 >1.25 times rated current 60s protection				
	大于1.5倍额定电流5秒保护 >1.5 times rated current 5s protection				
	大于3倍额定电流立刻保护 >3 times rated current straightway protection				
	短路立刻保护 > Short circuit immediately protection				
空载损耗 Discharge cut-off voltage	10MA				
待机损耗 Standby loss	0.2MA				
充电回路压降 Charging circuit pressure drop	≤0.26V				
放电回路压降 Discharge circuit voltage drop	≤.15V				
充电控制方式 Charging control mode	PWM脉宽调制 PWM Pulse Width Modulation				
尺寸 Size	167X124X50MM				

Solar charge controller series
太阳能充电控制器系列
SON-MPPT



SON-MPPT-10A



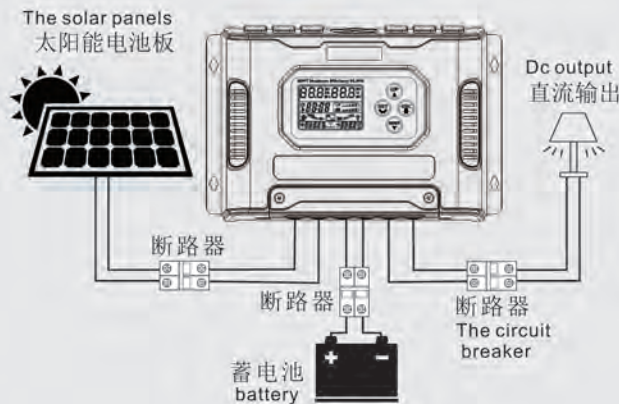
SON-MPPT-30A



SON-MPPT-40A



As shown in the figure below:
接线如下图所示/:



技术参数 / Technicai parameter

MPPT控制器型号: SMART2-10/20A/30A/40A-系列		10A	20A	30A	40A
充电模式 charging mode		MPPT 自动最大功率点跟踪			
充电方式 charging way		三阶段: 恒流 (MPPT), 恒压, 浮充			
系统类型 system type	DC12V/24V/48V	自动识别			
系统识别电压 system identification of voltage	12V系统	DC9V~DC15V			
	24V系统	DC18V~DC30V			
	48V系统	DC36V~DC60V			
软启动时间 soft start time	12V/24V/48V系统	≤10S			
动态响应恢复时间 response time to recover	12V/24V/48V系统	500us			
整机效率 the machine efficiency	12V/24V/48V系统	≥96.5%, ≤99%			
光伏组件利用率 photovoltaic utilization	12V/24V/48V系统	≥99%			
输入特性 the input features					
MPPT工作电压及范围 mppt working voltage and scope	12V系统	DC18V~DC150V			
	24V系统	DC34V~DC150V			
	48V系统	DC65V~DC150V			
输入低压保护点 the input low voltage protection	12V系统	DC16V			
	24V系统	DC30V			
	48V系统	DC60V			
输入低压恢复点 the input low pressure recovery points	12V系统	DC22V			
	24V系统	DC34V			
	48V系统	DC65V			
最高极限输入电压 Maximum input voltage	12V/24V/48V系统	DC160V			
输入过压保护点 input overvoltage protection	12V/24V/48V系统	DC150V			
输入过压恢复点 input overvoltage recovery points	12V/24V/48V系统	DC145V			
最大太阳能板输入功率 the largest solar panels power input	12V系统	570W	700W	900W	
	24V系统	1130W	1400W	1700W	
	48V系统	2270W	2800W	3400W	
充电特性 The charging characteristics					
可选择的电池类型 battery types to choose from (默认为GEL胶体电池) (the default for gel gel battery)	12V/24V/48V系统	密封铅酸电池, 排放式电池 胶体电池, 镍镉电池 (还可以自定义为其它种类的电池充电)			
恒压电压 constant pressure voltage	12V/24V/48V系统	请参考电池类型的充电电压参数表			
浮充电压 float charging voltage	12V/24V/48V系统				
过充保护电压 the overcharge protection voltage	12V系统	14.6V			
	24V系统	29.2V			
	48V系统	58.4V			
输出额定电流 the output current rating	12V/24V/48V系统	40A	50A	60A	
限流保护 current limiting protection	12V/24V/48V系统	44A	55A	66A	
温度系数 the temperature coefficient of	12V/24V/48V系统	±0.02%/℃			
温度自动补偿 automatic temperature compensation	12V/24V/48V系统	14.2V~(最高温度-25℃)*0.3			
输出电压纹波峰-峰值 grain output voltage peak-peak	12V/24V/48V系统	200mV			
输出稳压精度 the output voltage accuracy	12V/24V/48V系统	≤±1.5%			

Waterproof solar controller series
太阳能防水控制器系列
ST-C



产品特点

- 1) 12V/24V电池系统自动识别
- 2) 支持学习型红外遥控负载控制
- 3) 直观液晶显示
- 4) 0-24小时光控模式、开关模式、无线遥控模式等多种负载模式可选
- 5) 各种保护齐全, 稳定可靠 (充电过压保护, 充电过流保护, 负载过流保护, 负载短路保护, 负载欠压保护)
- 6) 便捷充电电压切换, 兼容多种不同类型电池, 省去复杂菜单设置, 自动记忆用户设置
- 7) ST-C1240内置双USB输出, ST-C1250 1260 内置DC输出
- 8) 内置充电限流保护, 无需担心太阳能板功率过大损坏控制器和电池系统

PRODUCT FEATURES

- 1) the 12 v / 24 v battery system automatic recognition
- 2) support the learning of infrared remote control load control
- 3) direct liquid crystal display (LCD)
- 4) 0-24 hours optical mode, switch, wireless remote control mode, etc Load mode optional
- 5) all kinds of complete protection, stable and reliable (charging over voltage protection, charging flow Protection, over-current protection, load load short circuit protection, under-voltage protection)
- 6) convenient charging voltage switching, compatible with a variety of different types of batteries, save complex Menu Settings, automatic memory user Settings
- 7) ST - C1240 built-in double USB output, ST - C1250 1260 built-in DC output
- 8) built-in charging current limiting protection, without having to worry about solar panels power up too much damage control Controller and battery system

技术参数 / Technicai parameter

	ST-C1210	ST-C1220	ST-C1230	ST-C1240	ST-C1250	ST-C1260
适应电池电压 To adapt to the battery voltage	12V/24V自适应 (电池<16V：12V系统 电池>18V：24V系统)					
最大充电电压 Maximum charging voltage	12V：开环18-24V标准规格太阳能板（24V电池*2）					
最大充电电流 Maximum charging current	10A	20A	30A	40A	50A	60A
最大充电电压 Maximum charging voltage	便捷切换：（24V电池*2，参数可以设置菜单调整） 14.2V（密封铅酸电池） 14.5V（常规铅酸电池）（默认切换设置电压） 15.3V（液体铅酸电池）					
最大输出电流 The largest output current	13A	26A	39A	45A	55A	65A
低压保护电压 Low voltage protection voltage	10.5V（24V电池*2，参数可以设置菜单调整）					
低压恢复电压 Low pressure recovery voltage	12.5V（24V电池*2，参数可以设置菜单调整）					
负载过载自动恢复 Load overload automatic recovery	30S					
双USB输出 Double USB output	5V2.1A				没有	
负载光控开启时间 Load relating to open time	0-24小时可选					
红外遥控距离 Infrared remote control distance	>5米					

power supply transformer
电源降压器系列



- 宽电压输入
- 低噪音高效率输出同步降压稳压电源
- DC 24V TO DC 12V
- 采用仿古工业级大电流纯铜连接接口设计，功率零损失，零发热
- 足800W长时间工作

技术参数/Technical parameter

型 号 Model	输入电压 Input voltage	输出电压 Output voltage	输出电流 Output current	能量转换效率 Efficiency	外形尺寸 Dimensions
DC-380	DC18V~32V	DC12V	60A	>90%	100X75MM
保护电路 Protection circuit	超负荷保护电路/高输入电压保护电路/低输入电压切断电路/异常温度检测保护电路 Overload protection circuit,high Voltage protection circuit input ,Low input voltage to cut off the circuit,Abnormal temperature detection protection electric.				
认 证 Authenticate	ISO、CTA、CE				



功能特点/Functional features:

本产品采用保护功能完善的进口集成电路设计。能将不稳定的18v~32v直流电压转换为稳定的12v直流电压输出，具有输入，输出过压保护，输入限流保护，并能在使用条件正常后自动恢复。

The product uses imported IC.It can convert the instable 18v~32v DC voltage into 12v DC voltage output over-voltage protection, input current limit protection,and can return to work automatically after normal conditions of use.

power supply transformer
电源降压器系列

足功率+超负载=100%没问题
full power+overload=100% No problem



技术参数/Technical parameter

型 号 Model	输入电压 Input voltage	输出电压 Output voltage	额定功率 Rated Power	峰值功率 Peak power	外形尺寸 Dimensions
DC-05A	DC-24V	DC-12V	05A	8A	110x110mm
DC-10A	DC-24V	DC-12V	10A	15A	110x110mm
DC-15A	DC-24V	DC-12V	15A	20A	110x100mm
DC-20A	DC-24V	DC-12V	20A	25A	110X110mm
保护电路 Protection circuit	超负荷保护电路/高输入电压保护电路/低输入电压切断电路/异常温度检测保护电路 Overload protection circuit,high Voltage protection circuit input ,Low input voltage to cut off the circuit,Abnormal temperature detection protection electric.				
认 证 Authenticate	ISO、CTA、CE				



DC-150B

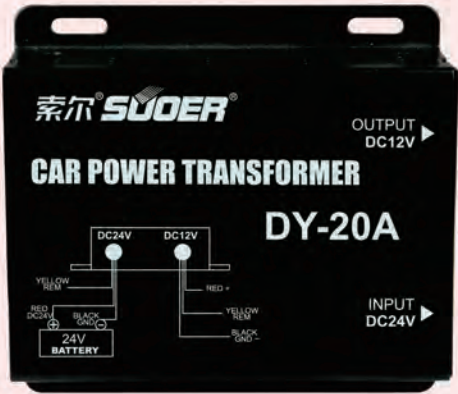


DC-206

技术参数/Technical parameter

型 号 Model	输入电压 Input voltage	输出电压 Output voltage	额定功率 Rated Power	峰值功率 Peak power	外形尺寸 Dimensions	重 量 Weight
DC-206	24V	12V	20A	25A	93x42x68mm	0.16kg
DC-150B	24V	12V	10A	20A	141x180x56mm	1.38kg
保护电路 Protection circuit	超负荷保护电路/高输入电压保护电路/低输入电压切断电路/异常温度检测保护电路 Overload protection circuit,high Voltage protection circuit input ,Low input voltage to cut off the circuit,Abnormal temperature detection protection electric.					
认 证 Authenticate	ISO、CTA、CE					

power supply transformer
电源降压器系列



宽电压输入
低噪音高效率输出同步降压稳压电源
DC 24V TO DC 12V

DC24V TO DC12V

Wide power supply input,
Noise and high efficiency output

Noise and high efficiency synchronization
Step-down and stabilivolt power supply



DC-130BP

技术参数/Technical parameter

型 号 Model	输入电压 Input voltage	输出电压 Output voltage	额定功率 Rated Power	峰值功率 Peak power	外形尺寸 Dimensions
DC-130BP	DC-24V	DC-12V	10A	15A	175x112x56mm
保护电路 Protection circuit	超负荷保护电路/高输入电压保护电路/低输入电压切断电路/异常温度检测保护电路 Overload protection circuit,high Voltage protection circuit input ,Low input voltage to cut off the circuit,Abnormal temperature detection protection electric.				
认 证 Authenticate	ISO、CTA、CE				



DC-129B



DC-129F

10A隔离电源
10A ISOLATED POWER

技术参数/Technical parameter

型 号 Model	输入电压 Input voltage	输出电压 Output voltage	额定功率 Rated Power	峰值功率 Peak power	外形尺寸 Dimensions	重量 weight
DC-129B	DC-24V	DC-12V	120W	170W	113x113x49mm	0.46kg
DC-129F	DC-24V	DC-12V	120W	170W	113x113x49mm	0.46kg
保护电路 Protection circuit	超负荷保护电路/高输入电压保护电路/低输入电压切断电路/异常温度检测保护电路 Overload protection circuit,high Voltage protection circuit input ,Low input voltage to cut off the circuit,Abnormal temperature detection protection electric.					
认 证 Authenticate	ISO、CTA、CE					

power supply transformer
电源降压器系列



DC-200A

技术参数/Technical parameter

型 号 Model	输入电压 Input voltage	输出电压 Output voltage	额定功率 Rated Power	效率 Peak power	外形尺寸 Dimensions
DC-200A	DC-18V-32V	DC 13.5V	20A	>90%	175x112x56mm
保护电路 Protection circuit	超负荷保护电路/高输入电压保护电路/低输入电压切断电路/异常温度检测保护电路 Overload protection circuit,high Voltage protection circuit input ,Low input voltage to cut off the circuit,Abnormal temperature detection protection electric.				
认 证 Authenticate	ISO、CTA、CE				



DC-280



技术参数/Technical parameter

型 号 Model	输入电压 Input voltage	输出电压 Output voltage	额定功率 Rated Power	峰值功率 Peak power	外形尺寸 Dimensions
DC-280	DC-24V	DC-12V	9A	15A	175x112x56mm
保护电路 Protection circuit	超负荷保护电路/高输入电压保护电路/低输入电压切断电路/异常温度检测保护电路 Overload protection circuit,high Voltage protection circuit input ,Low input voltage to cut off the circuit,Abnormal temperature detection protection electric.				
认 证 Authenticate	ISO、CTA、CE				



DC-380

行车记录仪/导航仪
多用途9A降压器

技术参数/Technical parameter

型 号 Model	输入电压 Input voltage	输出电压 Output voltage	额定功率 Rated Power	峰值功率 Peak power	外形尺寸 Dimensions
DC-380	DC-24V	DC-12V	7A	12A	100x66mm
保护电路 Protection circuit	超负荷保护电路/高输入电压保护电路/低输入电压切断电路/异常温度检测保护电路 Overload protection circuit,high Voltage protection circuit input ,Low input voltage to cut off the circuit,Abnormal temperature detection protection electric.				
认 证 Authenticate	ISO、CTA、CE				