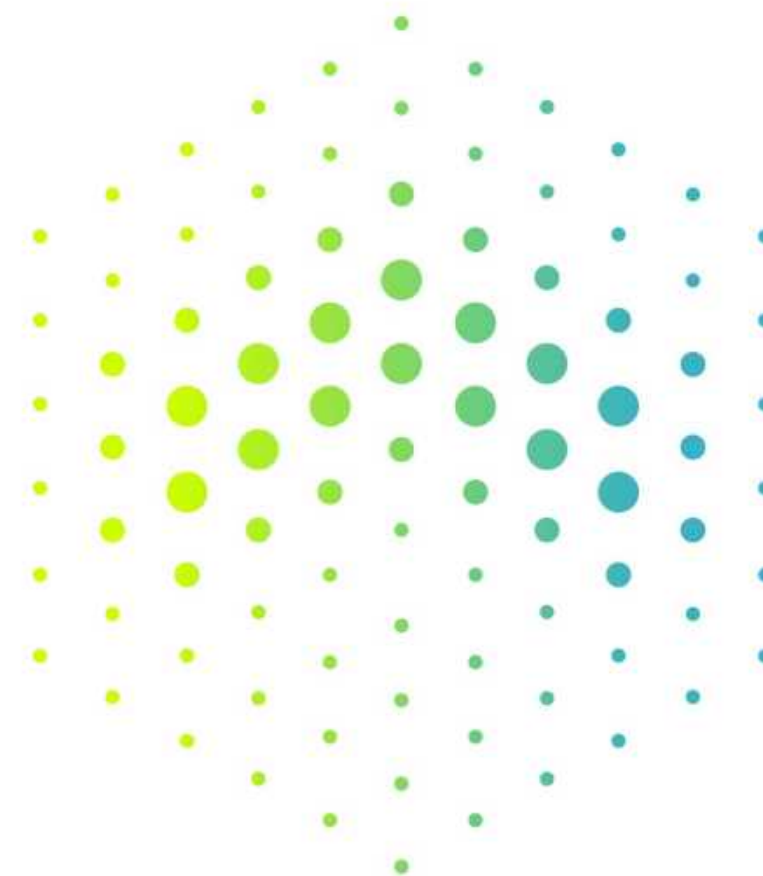


Solarthon[®]

SOLAR POWER SYSTEM

2024



Guangdong SOLARTHON Technology CO., LTD

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Guangdong SOLARTHON Technology CO., LTD

COMPANY INTRODUCTION

Guangdong Solarthon Technology Co. Ltd. is an innovative high technology manufacturer with ISO 9001,TUV,SGS,UL,CE, IEC61215,IEC61730 ,CSA,CEC ,JET Our Solar PV module factory covers 15,050 Square Meters ,has more than 450 employees.

Specialized in R&D, manufacturing and marketing of photovoltaic (PV) inverters/solar inverter, Power Inverter,Solar charge controller, Solar powered battery , LED Lights, Industrial solar panel and some other related Solar products. Our inovative solutions for all photovoltaic applications and our unsurpassed service offer our customers worldwide greater independence in meeting their energy needs.

We aim to develop, manufacture, and deliver the most reliable and cost-effective solar energy solutions to every corner inthe world .

Our company has introduced a series of advanced equipment including automatic welding machine, automatic sorting machine, automatic test equipment and Rosh test machine, which ensure the high efficiency of the production, high qualityand trace-ability of products. We have obtained ISO 9001/ ISO 14001/OHSAS 18001 certificates, and more than 100 invention patents ,practical new patent, software Copyrights. The research and development covers Solar Power Storage System, Half Cell Solar Panel, Standard Solar Panels ,Customized Solar Panel, Tier 1 Solar Panel, Off-grid Solar Batteries,Solar Hybrid Inverter, Solar Charger Controller, Solar Water Pump System.

Our products have also been exported to over 70 countries worldwide, such as Japan, USA,Europe,Australia, Nigeria.We also welcome OEM and ODM orders.Whether selecting a current product from our catalog or seeking engineering assistance for your application, you can talk to our customer service center about your sourcing requirements.

18⁺ Years Exprience
140⁺ Counties' Customers
500⁺ Staffs
55000⁺ Square Meters
70,000⁺ Projects Complete

GLOBAL STRATEGIC LAYOUT



COMPANY CERTIFICATE



EPR Certificate



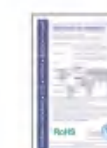
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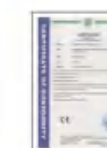
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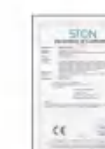
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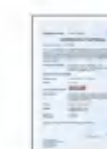
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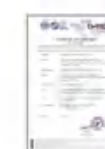
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TUV017106EA



CE FOR INVERTER



CE FOR LITHIUM BATTERY



TUV FOR PANEL



CQC FOR PANEL(IEC61730)



CQC FOR PANEL(IEC61215)



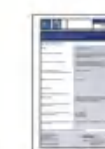
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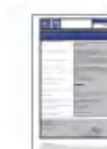
ISO14001



OHSAS18001



CB FOR INVERTER



CB FOR LITHIUM BATTERY

Portable Solar Power System 500W/1000W/1500W



Product Introduction

This product is a portable multi-function energy storage power bank featuring a built-in high-efficiency power LiFePO4 battery, a secure battery management system (BMS), and an efficient MPPT controller and inverter. Encased in a robust metal shell, it offers main charging capabilities, along with the advantages of being lightweight, compact, and high-powered. These features combine to provide customers with a convenient source of mobile energy.

PRODUCT PARAMETERS

Model	DQ1208A500-40	DQ1208B1000-40	DQ1208C1500-40
Inverter Power	500W	1000W	1500W
Solar Panel	18V 120W, Monocrystalline	36V 200W, Monocrystalline	36V 360W, Monocrystalline
Battery Type	12.8V 48AH, LiFePO4 32700	25.6V 48AH, LiFePO4 32700	25.6V 60AH, LiFePO4 32700
DC Output	12V, 2PCS	12V, 2PCS	12V, 2PCS
AC Output	220V 50Hz	220V 50Hz	220V 50Hz
USB Output	5V 4A, 2PCS	5V 4A, 2PCS	5V 4A, 2PCS
Luminous Efficacy	160 lm/w	160 lm/w	160 lm/w
LED Lifespan	50000 hours	50000 hours	50000 hours
Material	Metal	Metal	Metal
Product Size	285*194*267 (System Host) 920*670*30mm (Solar panel)	390*200*280 (System Host) 1150*992*35mm (Solar panel)	490*200*315 (System Host) 1960*992*45mm (Solar panel)
Warranty	3 Years	3 Years	3 years

Portable Solar Power System 500W/1000W



Product Introduction

This is a brand new integrated solar power system, which adopts full digital voltage and current double closed-loop control, advanced SPWM technology, and outputs pure sine wave - Built-in charge controller. It supports utility/generator/solar charging, and there is also a handy handle to ensure the convenience of traveling or going out.

PRODUCT PARAMETERS

Model	DQ1208A500-20	DQ1208B1000-20
Inverter Power	500W	1000W
Solar Panel	18V 120W, Monocrystalline	36V 240W, Monocrystalline
Battery Type	12.8V 48AH, LiFePO4	25.6V 48AH, LiFePO4
DC Output	12V, 2PCS	12V, 2PCS
AC Output	220V 50Hz	220V 50Hz
USB Output	5V 4A, 2PCS	5V 4A, 2PCS
Luminous Efficacy	160 lm/w	160 lm/w
LED Lifespan	50000 hours	50000 hours
Material	Metal	Metal
Product Size	285*194*267 (System Host)	390*200*280 (System Host)

Portable Solar Power System 1000W/1500W



Product Introduction

This is a brand new integrated solar power system, which adopts full digital voltage and current double closed-loop control, advanced SPWM technology, and outputs pure sine wave. Built-in charge controller. It supports utility generator/solar charging, and there is also a handy handle to ensure the inconvenience of traveling or going out.

PRODUCT PARAMETERS

Model	DQ1412A1000-01	DQ1412B1500-01
Inverter Power	1000W	1500W
Battery Type	LiFePO4 12.8V 84AH	LiFePO4 25.6V 72AH
AC Charging Input Voltage	220-240VAC	220-240VAC
Product Size	380*190*285mm(system Host)	500*190*285mm(system Host)
Solar Panel	18V 180W, Monocrystalline (Solar panel is an optional which not included in the price)	36V 360W, Monocrystalline (Solar panel is an optional which not included in the price)
DC Output	12V*4PCS	
AC Output	220V*2PCS	
USB Output	5V 3A*2PCS	
QC Output	18W*1PCS	
PD3.0 Output	30W*1PCS	
Material	Aluminum	

Portable Solar Power System 500W/1000W



Product Introduction

Solar power system is an off-grid solar generator designed to provide stable and reliable power to homes and communities or areas without or even electricity without access to grid power. The solar system is characterized by convenient movement, easy installation, and reliable performance, which is very suitable for situations requiring emergency power.

PRODUCT PARAMETERS

Model	DQ1413A500-02	DQ1413B1000-02
Inverter Power	500W	1000W
Battery Type	LiFePO4 12.8V 48AH	LiFePO4 12.8V 72AH
Adapter Input Voltage	220-240VAC	220-240VAC
Charging Time	6-8 Hours	6-8 Hours
DC Output	12V 5A*2PCS	12V 5A*2PCS
Cigar Lighter	12V 10A*1PCS	12V 10A*1PCS
AC Output	220V*1PCS	220V*1PCS
USB Output	18W*3PCS	18W*3PCS
PD3.0 Output	30W*1PCS	30W*1PCS
Material	Metal+ABS	Metal+ABS
Product Size	340*220*183.5mm (System Host)	480*220*183.5mm (System Host)
Warranty	3 Years	3 Years

Portable Solar Power System 300W/500W



Product Introduction

it's a portable solar power system which is reliable energy source for many applications such as lighting, radios, fans, TVs, computers, refrigerators. The USB port is compatible with all 5V-USB charging devices. It can also be used as a backup power source in emergency situations. It is very suitable for situations requiring emergency power.

PRODUCT PARAMETERS

Model	DQ1411A300-02	DQ1411B500-02
Solar Panel	18V 60W, Polycrystalline	18V 90W, Polycrystalline
Battery Type	LiFePO4 12.8V 18AH	LiFePO4 12.8V 36AH
	(Solar panel is an optional which not included in the price)	
Charging Time	6-8 Hours	
Discharging Time	1-30days(depend on the power of device)	
AC Input	10V/24V*1PCS	
DC Output	12V 5A*2PCS	
Ciger lighter	12V 5A*1PCS	
AC Output	220V*1PCS	
USB Output	12W*2PCS+18W*1PCS	
PD3.0 Output	18W*1PCS	
Material	Metal+ABS	
Product Size	219*173*187mm(System Host)	241*216*187mm(System Host)
Warranty	3 Years	

Pay-as-you-go Solar Power System 500W



Product Introduction

- Keypad pay as you go solar system, does not need fuel such as oil gas, coal etc, it absorbs sunlight and generate power directly and improve the life quality of non-electricity area. All electricity from sunshine; there is sunshine, there is solar power.
- Keypad pay as you go system main power box inside with high quality solar battery, smart solar controller, with all electronics -protection, safety, long service life, smart, start-up controlled by devices dealer, pay as you go.
- On the body of the product, has a Digital Display to show you days remaining, remind you to pay the fees timely (Optional function).

PRODUCT PARAMETERS

Model	DQ1901B500-21
Inverter Power	500W
Battery	LiFePO4, 12.8V 63AH
Solar Panel	18V 180W, Mono-Crystalline
Charge and Discharge Controller	12V 10A
DC & AC Output	DC12V & DC5V & AC220V
Output Wave(Battery/PV Mode)	Pure Sine Wave
Keypad	4*4 Keypad, Code input
Display	AC220V Display & Battery DC Display & Remaining Days Display

Portable Solar Power System 20W/40W/60W



Product Introduction

LED solar home lighting system is an off-grid solar generator designed to provide stable and reliable power to homes and communities or areas without or even electricity without access to grid power. The small solar system is characterized by convenient movement, easy installation, and reliable performance, which is very suitable for situations requiring emergency power.

PRODUCT PARAMETERS

Model	0285A20-01	0285B40-01	0285C60-01
LED Lamp	2835 LED 15PCS 6000K	2835 LED 15PCS 6000K	2835 LED 15PCS 6000K
LED Lamp	5730 LED 36PCS 6000K	5730 LED 36PCS 6000K	5730 LED 36PCS 6000K
Solar Panel	6V 12W, Polycrystalline	6V 18W, Polycrystalline	6V 28W, Polycrystalline
Battery Type	LiFePO4 3.2V 12AH	LiFePO4 3.2V 18AH	LiFePO4 3.2V 24AH
Charging Time	6-8 hours	6-8 hours	6-8 hours
Discharging Time	10-24 hours	10-24 hours	10-24 hours
LED	160lm/w	160lm/w	160lm/w
USB Output	5V 2.5A 1pcs	5V 2.5A 1pcs	5V 2.5A 1pcs
Material	PVC+PC	PVC+PC	PVC+PC
Product Size	146*77*136mm (System Host)	166*77*136mm (System Host)	226*77*136mm (System Host)
Warranty	3 years	3 years	3 years

Portable Solar Power System 20W



Product Introduction

ALLTOP portable solar power bank with a handbag-style design is a great choice as it offers convenience and aesthetics. It's a portable device that utilizes solar panels to convert sunlight into electrical energy, which is designed to store this energy in a built-in battery. The compact and portable nature of the handbag design makes it easy to carry around, allowing users to charge their devices such as smartphones, tablets, cameras, and other USB-compatible devices.

PRODUCT PARAMETERS

Model	0464A20-02	0464A20-10	0464A20-20
LED Bulb	5W bulb 2pcs, with 3m cable, 6000K	5W bulb 3pcs, with 5m cable, 6000K	5W bulb 3pcs, with 5m cable, 6000K
Solar Panel	18V 10W, Polycrystalline	6V 18W, Polycrystalline	6V 18W, Polycrystalline
Battery Type	Lead-acid battery 12V 5.5AH	LiFePO4 3.2V 18AH	LiFePO4 3.2V 18AH
Charging Time	6-8 hours	6-8 hours	6-8 hours
Discharging Time	10-24 hours	10-24 hours	10-24 hours
LED	160 lm/w	160 lm/w	160 lm/w
Radio	Support FM radio function/U disk/SD card	Support FM radio function/U disk/SD card	lighting : 2W 6000k
Material	ABS	ABS	ABS
System Host Size	180*80*204mm	180*80*204mm	180*80*204mm
Solar Panel Size	268*239*18mm		
Warranty	3 years	3 years	3 years

Portable Solar Power System 30W/40W/50W



Product Introduction

LED solar home system is an off-grid solar generator designed to provide stable and reliable power to homes and communities or areas without or even electricity without access to grid power.

The small solar system is characterized by convenient movement, easy installation, and reliable performance, which is very suitable for situations requiring emergency power.

PRODUCT PARAMETERS

Mode	0928A30-01	0928A40-02	0928B50-01
LED Lamp	3W bulb 4PCS, with 4m cable. 6000K	3W bulb 2PCS, with 4m cable. 6000K 5W bulb 2PCS, with 4m cable. 6000K	3W bulb 4PCS, with 4m cable. 6000K
Solar Panel Type	18V 18W, Polycrystalline, 7m cable	18V 30W, Polycrystalline, 7m cable	18V 54W, Polycrystalline, 5m cable
Battery Type	Lead-acid battery 12V 7AH	Lead-acid battery 12V 12AH	Lead-acid battery 12V 20AH
Charging Time	6-8 Hours	6-8 Hours	6-8 Hours
Discharging Time	30-36 Hours	30-36 Hours	30-36 Hours
LED	160lm/w	160lm/w	160lm/w
USB Output	5V 1A 1pcs	5V 1A 1pcs	5V 1A 4pcs
Material	Iron	Iron	Iron
Product Size	130*128*222mm	130*128*222mm	250*150*210mm
Warranty	3Years	3 Years	3 Years

Portable Solar Power System 30W/40W/50W



Product Introduction

This product is a type of portable micro generation system which is designed for no or lack of electricity area. It can be used at home, outside or commercial area, field operation, camping, breeding industry, farm, night market and agritainment, etc. It also can be used as emergency lighting.

PRODUCT PARAMETERS

Model	0354A30-01	0354B40-01	0354C50-01
Battery Type	Gel 84WH	Gel 144WH	Gel 216WH
Solar Panel Type	Poly 20W 18V	Poly 30W 18V	Poly 54W 18V
Dc Output	4PCS OF 12V DC OUTLET	4PCS OF 12V DC OUTLET	4PCS OF 12V DC OUTLET
Usb Output	3PCS OF 5V USB OUTLET	3PCS OF 5V USB OUTLET	3PCS OF 5V USB OUTLET
Dc Input	18V Panel/Adapter	18V Panel/Adapter	18V Panel/Adapter
Fm Radio	14 Radio Stations	14 Radio Stations	14 Radio Stations
Aux	External Audio signal Input	External Audio Signal Input	External Audio Signal Input
Led Bulb	3PCS OF LED Bulb	3PCS OF LED Bulb	3PCS OF LED Bulb
Led Lumen	160lm/w	160lm/w	160lm/w
Color Temperature	6000K	6000K	6000K
Led Lifespan	50000H	50000H	50000H
Operating Temperature	-10°C-60°C	-10°C-60°C	-10°C-60°C
Storage Temperature	-15°C-50°C	-15°C-50°C	-15°C-50°C
Products Size	242*105*154mm	252*137*174mm	282*137*209mm

Portable Solar Power System

40W



Product Introduction

LED solar home system is an off-grid solar generator designed to provide stable and reliable power to homes and communities or areas without or even electricity without access to grid power.

PRODUCT PARAMETERS

Model	0362B4O-01
LED Bulb	3W*3PCS
Torch Light	1PCS
Adapter Input	AC100-240V 50/60Hz
Solar Panel Type	18V 30W.Mono-Crystalline
Battery Type	LiFePO4 12.8V 14AH
Charging Time	6-8 Hours
Discharging Time	10-24 Hours
LED	160lm/w
USB Output	5V 2PCS
DC Output	12V 4PCS
Material	Metal+PVC
Product Size	242*125*182mm(System Host)
Warranty	3 Years

Portable Solar Power System

8W



Product Introduction

LED solar home lighting system is an off-grid solar generator designed which provide stable and reliable power to homes and communities or areas without or even electricity without access to grid power.The small solar system is characterized by convenientmovement,easy installation,and reliable performance which is very suitable forsituations requiring emergency power.

PRODUCT PARAMETERS

Model	0336A08-02
LED Lamp	Built in lamp 4w,6000K
LED Bulb	3W bulb 3pcs,with 4m cable,6000K
Solar Panel	9V 3W,Polycrystalline
Battery Type	Lead-acid battery 6V 4AH
Charging Time	6-8 hours
Discharging Time	10-24 hours
LED Luminous Efficiency	160lm/w
USB Output	5V 1A 1PCS
AC Charge Input	AC110/220V 50/60Hz
Material	PVC+PC
Product Size	172*126*76mm (System Host)
CTN/Size	575*370*340mm 12pcs/CTN
G.w/CTN	21.5KG