

INDOOR PORTABLE EMERGENCY POWER SUPPLY

Portable Power Station





Our Power Station is a rechargeable battery-powered generator. Equipped with AC outlet, DC carport and USB charging ports, the Power Station brings ideal emergency power for appliances like mini-fridge, air pump, laptop, and more!

A compact Devices such as laptops, LED lights, drones, mini fridges and projectors can be powered by the power station for extended periods of time.



Product Line

Available

600W/1200W/1800W/2400W Power station have been released in market.

100W/200W/220W/400W Solar Panels are selling in market.

Development

4000W is in developing, will release this year



600W Power Station

600W Portable Power Station is a 595Wh LiFePO4 battery portable power station. Whether it is high-power equipment at home or high-power equipment working outdoors, it can continue to supply power.

Output up to 8 devices

Five charging methods: wall-mounted, USB-C port, car charging, solar disk, USB-C+wall socket

USB-C+ wall socket charging, fast charging from 0-80% in only 3.5 hours

Environmental protection / airless / quieter / cost-effective

Accept OEM and ODM

Quick Details

Product name	600W Portable Power Station	Battery Capacity	595.2Wh, 186000mAh, (19.2V, 31Ah) LiFePO4 (2500+ Full Life Cycles)
BMS	Japan Renesas BMS (New Energy Vehicles Level Battery Management System)	LED Light	7W , 3 mode, 1.Low brightness- >2. High brightness->3.Flashing SOS
Input Voltage	DC12-30V 100W Max (DC7909 port). , USB-C PD 60W max	Waveform	Pure sine wave (US TI Solution)
Solar charging	Yes, have MPPT to support solar panel charging	Dimension	267*197*247 mm
Output -AC Sockets	AC110V-240V, 50/60Hz, 600W rated, 1000W Peak	USB-C Output	5V/3A; 9V/3A; 12V/3A; 15V/3A; 20V/3A (60W Max)
Car charger	Output 12V/10A	Color/Logo	Customized
USB-A Outupt	5V/3A; 9V/2A; 12V/1.5A (18W Max) support protocol QC3.0/QC2.0, FCP, SCP, AFC, MTKPE+2.0/1.1, Apple2.4A	N.W.	6.8KGS





LED ON/OFF Switch

LED Light

SOUOP
Source Of Power

Real-time data at a glance

- Charging power
- Over temperature warning
- Safety warning
- Charging time
- Function status
- Power display

Battery percentage

Remaining discharge time



Input power

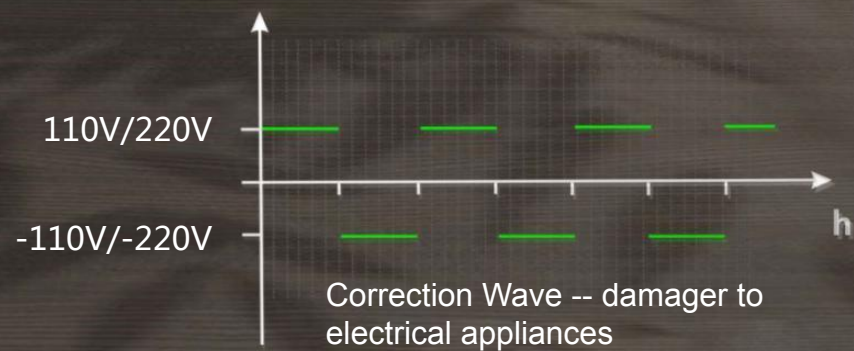
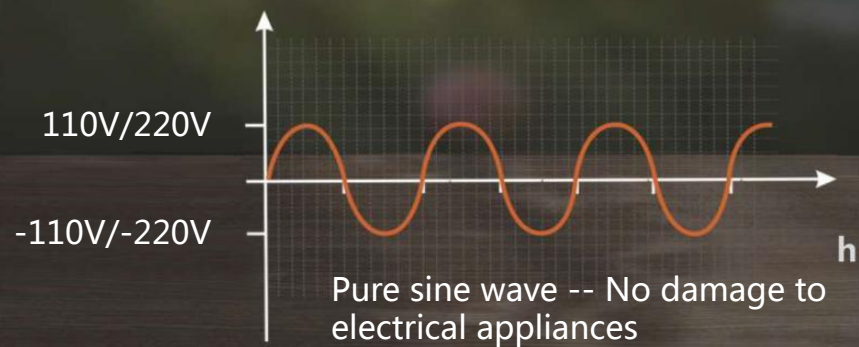
Output power



AC Output

High Stability

Friendly to electrical appliances



DC Output

USB-A*2 : 5V/3A ; 9V/2A ; 12V/1.5A (18W Max) ;

USB-C : 5V/3A ; 9V/3A ; 12V/3A ; 15V/3A ; 20V/3A (60W Max) ;

DC 12V output (&cigarette lighter) : 12V/10A



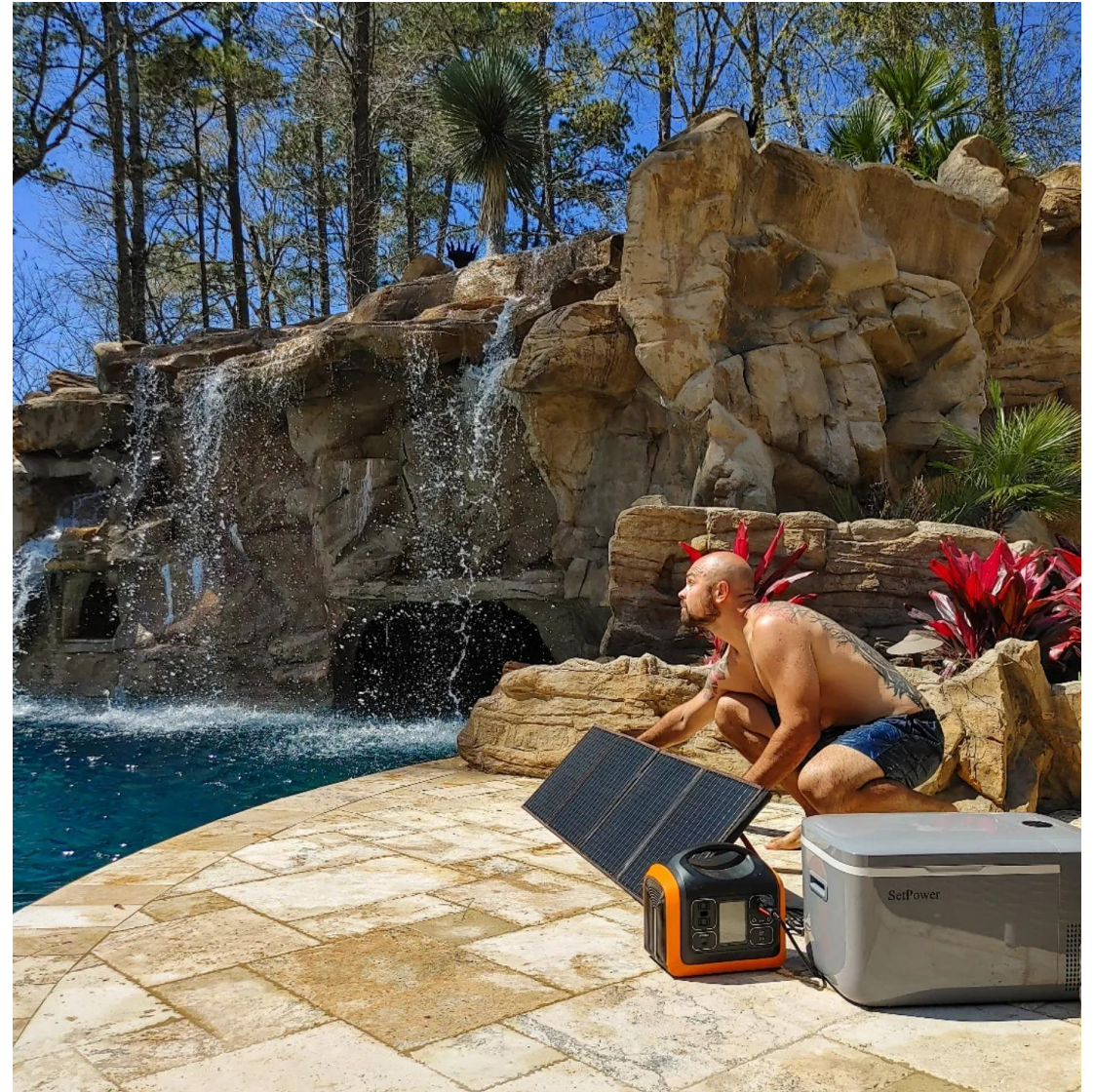
5 WAYS TO RECHARGE

0-80% Charge Time Reference

				
USB-C+Wall Outlet	Wall Outlet	Car Charging	Solar Panel	USB-C Port
3.5H	7.5H	10.5H	7.5H	12H



 Light (10w) 52 Hrs	 iPhone 12 36 Charges	 Camera (5W) 113 Charges	 TV (60W) 8.2 Hrs
 Car Fridge (60W) 9 Hrs	 MacBook Pro 16" 4.5 Charges	 Drone (90w) 6 Charges	 CPAP (40W) 13-42 Hrs
 Wifi Router (10W) 52 Hrs	 iPad 8th 10.2" 10 Charges	 Switch (39W) 13 Charges	 Blender (300W) 1.7 Hrs



1200W Power Station

1200W Portable Power Station is a 992Wh LiFePO4 portable power station. Whether it is high-power equipment at home or high-power equipment working outdoors, it can continue to supply power.

Output up to 10 devices

Three charging methods: AC wall socket, solar panel, car socket

Provide over-current, over-voltage, and over-temperature protection

Environmental protection / airless / quieter / cost-effective

Accept OEM and ODM



Quick Details

Product name	1200W Portable Power Station	Battery Capacity	992Wh,31000mAh,(32V ; 31Ah) LiFePO4 (2500+ Full Life Cycles)
BMS	Japan Renesas BMS (New Energy Vehicles Level Battery Management System)	LED Light	7W , 3 mode, 1.Low brightness- >2. High brightness->3.Flashing SOS
Input Voltage	DC12-30V 200W Max (DC7909 port). , USB-C PD 60W max	Waveform	Pure sine wave (US TI Solution)
Solar charging	Yes, have MPPT to support solar panel charging	Dimension	330*220*289mm
Output -AC Sockets	AC110V-240V, 50/60Hz, 1200W rated, 3600W Peak	USB-C Output	5V/3A; 9V/3A; 12V/3A; 15V/3A; 20V/3A (60W Max Left) 5V/3A; 9V/2A; 12V/1.5A (18W Max Right)
Car charger	Output 12V/10A	Color/Logo	Customized
USB-A Outupt	5V/3A; 9V/2A; 12V/1.5A (18W Max) support protocol QC3.0/QC2.0, FCP, SCP, AFC, MTKPE+2.0/1.1, Apple2.4A	N.W.	11KGS



LED lamp



Real-time data at a glance

- Charging power
- Over temperature warning
- Safety warning
- Charging time
- Function status
- Power display





992Wh

LIFEPO4 BATTERY

DURABLE BACKUP POWER



 CPAP (AC Outlet) 17 Hrs	 Laptop (Mackbook Pro13) 8 Charges	 Electric Grill (900W) 50 Mins
 Mini Fridge (60W) 17 Hrs	 TV (60W) 12 Hrs	 Ice Shaver (700W) 85 Mins
 Pressure Cooker (900W) 50 Mins	 Blender (500W) 2 Hrs	 Coffee Maker (550W) 88 Mins





High Conversion
Efficiency



Eco-Friendly



Durable



Portable

1800W Power Station

1800W portable power station is a portable power station with larger energy storage capacity. Whether it is high-power equipment at home or high-power equipment working outdoors, it can continue to supply power.

10 output ports meet multiple devices

3 flexible ways to recharge

Provide over-current, over-voltage, and over-temperature protection

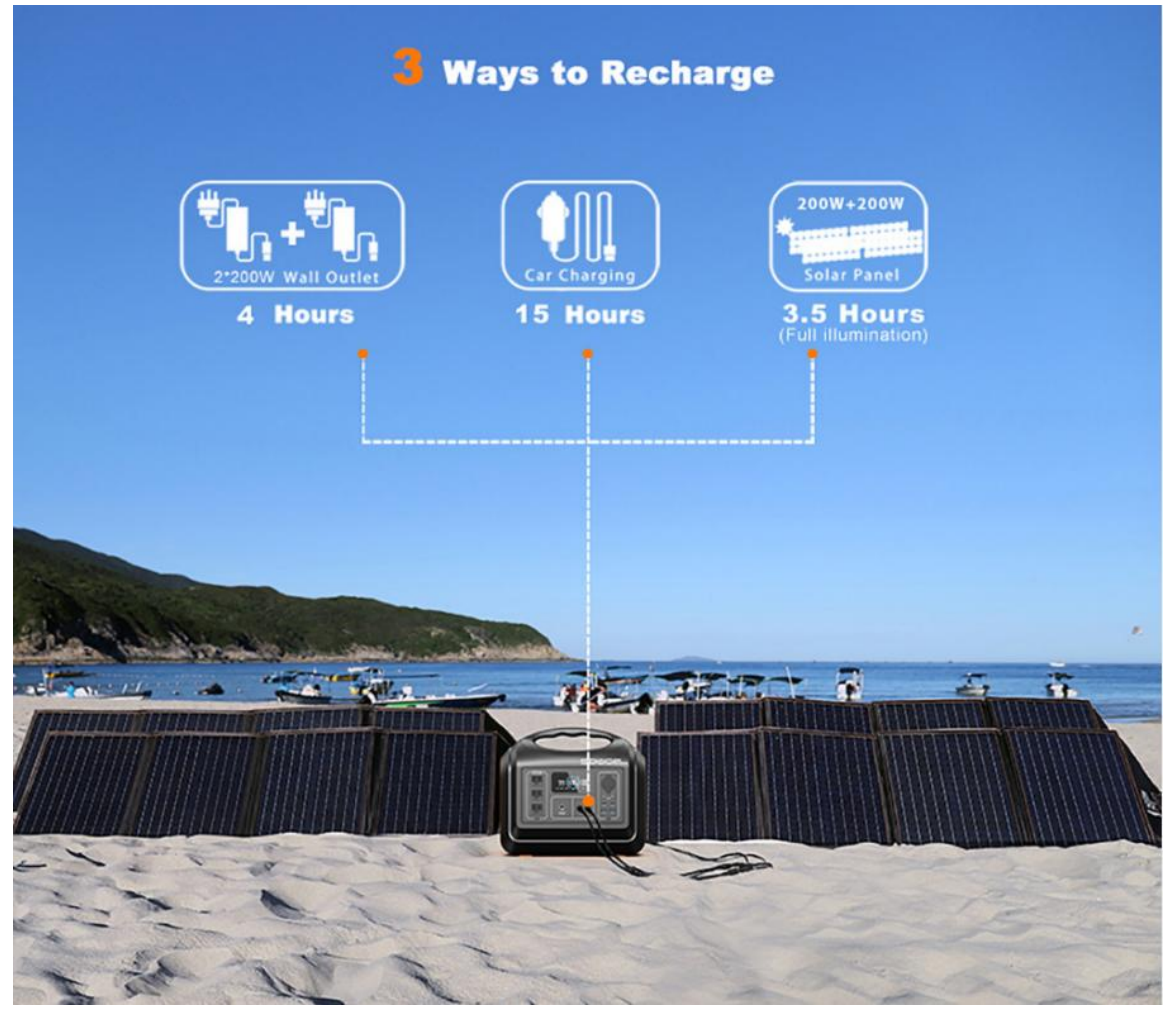
Environmentally friendly / No gas / Quieter / Cost-effective

Accept OEM and ODM



Quick Details

Product name	1800W Portable Power Station	Battery Capacity	1488Wh,46500mAh ,(32V ; 46.5Ah) LiFePO4 (2500+ Full Life Cycles)
BMS	Japan Renesas BMS (New Energy Vehicles Level Battery Management System)	LED Light	7W , 3 mode, 1.Low brightness- >2. High brightness->3.Flashing SOS
Input Voltage	DC12-30V 2*200W Max, USB-C PD 60W max	Waveform	Pure sine wave (US TI Solution)
Solar charging	Yes, have MPPT to support solar panel charging	Dimension	385*243*340mm
Output -AC Sockets	AC110V-240V, 50/60Hz, 1800W rated, 4000W Peak	USB-C Output	5V/3A; 9V/3A; 12V/3A; 15V/3A; 20V/3A (60W Max Left) 5V/3A; 9V/2A; 12V/1.5A (18W Max Right)
Car charger	Output 12V/10A	Color/Logo	Customized
USB-A Outupt	5V/3A; 9V/2A; 12V/1.5A (18W Max) support protocol QC3.0/QC2.0, FCP, SCP, AFC, MTKPE+2.0/1.1, Apple2.4A	N.W.	15KGS





1800W AC OUTPUT

Supply **99%**
of Home Devices Even Large
Appliances



iphone
(3110mAh)
131 Charges



Tablet PC
(30Wh)
43.6 Charges



Laptop
(60Wh)
22 Charges



Light
(10W)
131 Hrs



Mini Cooler
(50W)
26 Hrs



Fanner
(30W)
43.6 Hrs



Electric Tool
(300W)
4.36 Hrs



WiFi
(10W)
131 Hrs



TV (110W)
12 Hrs



Ventilator(40W)
33 Hrs



Camera(16Wh)
82 Charges



Drone(60Wh)
22 Charges



Advanced BMS Management System

I
Over Discharge
Protection

L
Overload
Protection

P
Overcharge
Protection

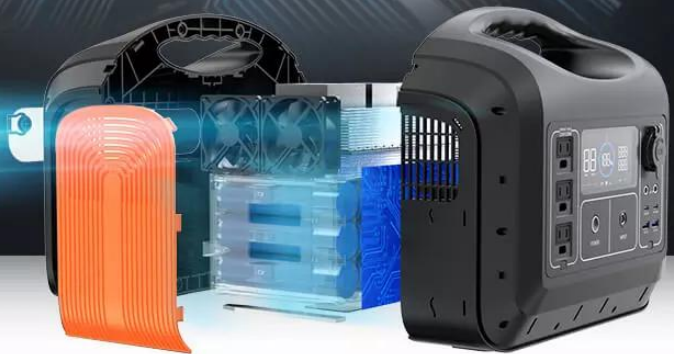
X
Short Circuit
Protection

U⁺
Overvoltage
Protection

T⁺
Over Temperature
Protection

T⁻
Low Temperature
Protection

BMS



LiFePO4 Battery

Safer and more stable than other lithium batteries,
longer service life

2500+
Charging Cycles



- ✓ LifePO4 Battery
- ✓ 10 Years Battery life
- ✓ 2500+ Charging Cycles
- ✓ NO-TOXIC

OTHERS

- ✗ lithium-ion Battery
- ✗ 1.5-2.5 years battery life
- ✗ 300-500 Cycles
- ✗ TOXIC



2400W


Portable Power Station



MPPT 1000W Max
220w*4 SOLAR PANLE

Dynamic tracking of the maximum power of solar panel
Transfer efficiency is 15% higher than without MPPT

+15%



2232Wh

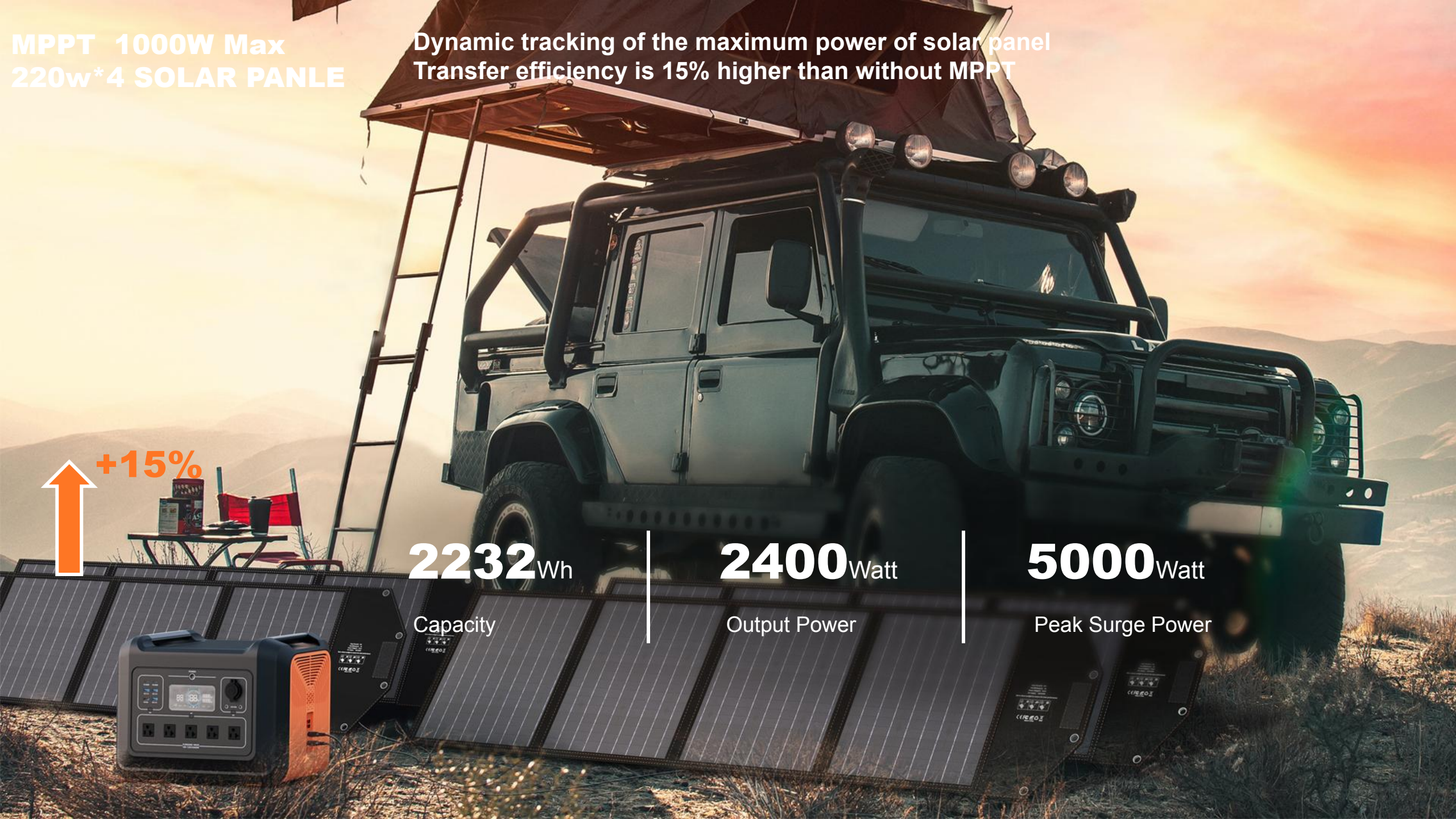
Capacity

2400Watt

Output Power

5000Watt

Peak Surge Power



Quick Details

Product name	2400W Portable Power Station	Battery Capacity	2232Wh,697500mAh ,(48V ; 46.5Ah) LiFePO4 (2500+ Full Life Cycles)
BMS	Japan Renesas BMS (New Energy Vehicles Level Battery Management System)	LED Light	7W , 3 mode, 1.Low brightness- >2. High brightness->3.Flashing SOS
Input Voltage	DC12-45V 2*24V/200W,2*28V/300W,2*45V/500W, USB-C PD 60W max	Waveform	Pure sine wave (US TI Solution)
Solar charging	Yes, have MPPT to support solar panel charging MPPT 1000W Max 220w*4 Solar Panle	Dimension	420*270*313mm
Output -AC Sockets	AC110V-240V, 50/60Hz, 2400W rated, 5000W Peak	2 USB-C Output	5V/3A; 9V/3A; 12V/3A; 15V/3A; 20V/3A (60W Max)
Car charger	Output 12V/10A	Color/Logo	Customized
USB-A Outupt	5V/3A; 9V/2A; 12V/1.5A (18W Max) support protocol QC3.0/QC2.0, FCP, SCP, AFC, MTKPE+2.0/1.1, Apple2.4A 5V/2A (Software upgrade port)	N.W.	20.7KGS

Smart HD LCD display-2400W

Real-time data at a glance

- Charging power
- Over temperature warning
- Safety warning
- Charging time
- Function status
- Power display





USB-A Output Port*4

USB-C Output Port*2

Main Power On/Off Switch

LCD Screen

Car Charger Output Port

DC 5521 Output Port

DC Output Power On/Off Switch2

AC Output Power On/Off Switch

DC Output Power On/Off Switch1

2400W AC Output Port*5



LED Light Power On/Off Switch

LED Light

Anderson Recharging Input Port*2

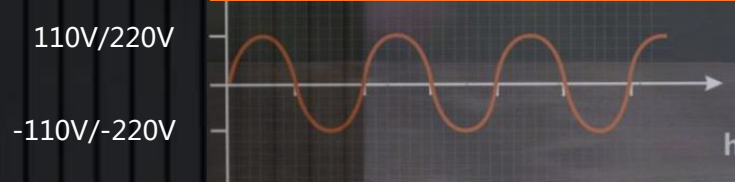
7909 Recharging Input Port*2

AC Output



PURE SINE WAVE CURRENT

Pure sine wave -- No damage to electrical appliances



Correction Wave -- damager to electrical appliances



DC Output

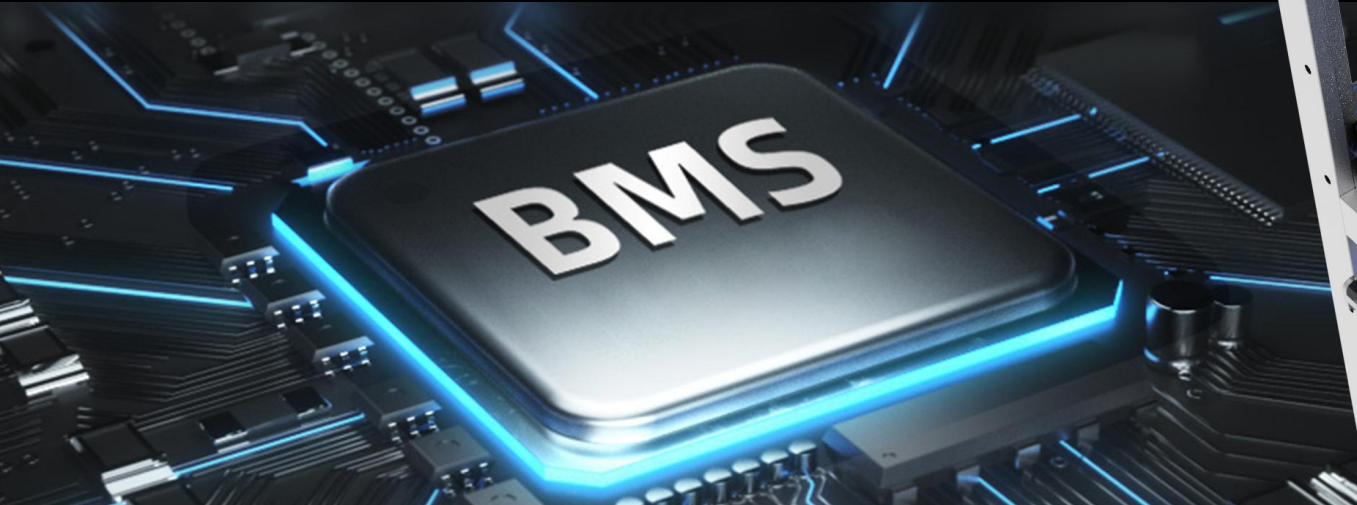
USB-A*4 : 5V/3A ; 9V/2A ; 12V/1.5A (18W Max) ; 5V/2A

USB-C*2 : 5V/3A ; 9V/3A ; 12V/3A ; 15V/3A ; 20V/3A (PD60W Max) ;

DC 12V output (&cigarette lighter) : 12V/10A



Smart Power Management IC



Battery Wake-up Pre-Charge System - 1.5A Trickle activation charge control



Over Discharge Protection



Overload Protection



Overcharge Protection



Short Circuit Protection



Overvoltage Protection



Over Temperature Protection



Low Temperature Protection

- **2500+
CYCLES BATTERY HEALTH**

- **Battery Pack ABS+PC
Fire Rating UL94-V0**

- **Intelligent
Three-Speed Cooling Fan Control**





Microwave (1300W) 1.5⁺ Hrs	Tablet PC (30Wh) 65.5⁺ Charges	Laptop (60Wh) 32.7⁺ Charges	Light (10W) 196⁺ Hrs
Mini Cooler (50W) 16.3⁺ Hrs	Electric Frying Pan (1200W) 1.6⁺ Hrs	Washer (500W) 3.9⁺ Hrs	Hair Dryer (1600W) 1.2⁺ Hrs
TV (110W) 18⁺ Hrs	CPAP (40W) 49⁺ Hrs	Coffee Maker (1000W) 2⁺ Hrs	Drone(60Wh) 33⁺ Charges



Material Safety Data Sheet

Report No.: AQ202207-C01-R06 Date: January 28, 2021 Page: 1 of 6

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product Name: Lithium ion battery pack
Model No.: SP-U9P-600E
Applicant: Shenzhen Changlian Innovations Technology Co., Ltd.
Applicant Address: Building A3, Zhongling Industrial Park, Tangwei Avenue, Fuhai Town, Bao'an District, Shenzhen, China
Emergency Telephone: 020-29121291

2. HAZARDS IDENTIFICATION

Most important 1 Environmental impact: Air pollution, if spill into water source, will pollute water quality
Hazard: 2 Physical and chemical hazards: Inflammable and explosive
2 If the electrolyte contacts with water, it will generate detrimental gases. Since the liquid electrolyte is inflammable liquid, do not bring close to the ignition. The sparks of the electrode will stimulate a respiratory tract.
Eye Contact: The steam of the electrolyte stimulates eyes.
Environmental properties: They pollute the environment, do not flow out into the environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical composition	Con. No.	Weight (%)
Lithium Cobalt Oxide	12160-79-3	50-55
Graphite C6	7782-42-5	20-22
Copper C64	7440-50-9	7-15
Aluminum Al	7429-90-5	5-6
Phosphoric acid lithium salt	10277-52-3	3-4
Diethylene carbonate	96-49-1	14-15
Propylene carbonate	9653-07-0	5-6
Carbonyl diethyl ether	523-53-2	4-5
Lithium hexafluorophosphate	2124-46-3	5-6

Shenzhen Alpha Product Testing Co., Ltd.
Building 1, No. 2, Lian Road, Fuyong Street, Bao'an District, 518103, Shenzhen, Guangdong, China

危险物品
DANGEROUS GOODS

航空运输条件鉴别报告书
Identification and Classification Report for Air Transport of Goods

报告编号: PEG20220129F475CA20001
签发日期: 2021.01.29
签发单位: 深圳市航天创新科技有限公司
申请人: Shenzhen Changlian Innovations Technology Co., Ltd.
物品名称: 锂离子电池 SP-U9P-600E 18.2V 3146 505.2Ah

Name of Goods: Lithium ion battery pack SP-U9P-600E 18.2V 3146 505.2Ah

北京迪捷姆空运技术开发有限公司
Beijing DDM Air Transport Technology Development Co., Ltd.

第 1 页 共 4 页

APPLICATION FOR TEST REPORT
On Behalf of
Shenzhen Changlian Innovations Technology Co., Ltd
Portable energy storage power supply
Model No.: SP-U9P-600J

Prepared for: Shenzhen Changlian Innovations Technology Co., Ltd
Address: Building A3, Zhongling Industrial Park, Tangwei Avenue, Fuhai Town, Bao'an District, Shenzhen, China

Prepared By: Shenzhen Alpha Product Testing Co., Ltd.
Address: Building 1, No. 2, Lian Road, Fuyong Street, Bao'an District, 518103, Shenzhen, Guangdong, China

Date of Test: April 26-May 06, 2021
Date of Report: January 27, 2021
Report Number: A210419-002-R01
Version Number: V0

APPLICATION FOR SAFETY
On Behalf of
Shenzhen Changlian Innovations Technology Co., Ltd.
深圳市航天创新科技有限公司
Lithium ion battery pack / 锂离子电芯
Model No.: SP-U9P-600E
型号: SP-U9P-600E

Prepared for: Shenzhen Changlian Innovations Technology Co., Ltd.
深圳市航天创新科技有限公司
Building A3, Zhongling Industrial Park, Tangwei Avenue, Fuhai Town, Bao'an District, Shenzhen, China
深圳市宝安区福海街道铁岗大道正丰工业园A3栋

Prepared By: Shenzhen Alpha Product Testing Co., Ltd.
深圳市航天创新科技有限公司
Building 1, No. 2, Lian Road, Fuyong Street, Bao'an District, 518103, Shenzhen, Guangdong, China
广东省深圳市宝安区福海街道铁岗2号福海

Date of Test: January 12-26, 2021
Date of Report: January 27, 2021
Report Number: A201207-C01-R01
Version Number: V0

海运
By Sea

货物运输条件鉴别报告书
Identification and Classification Report for Transport of Goods

危险物品
(Dangerous Goods)

报告编号: BEG20220129F475CA20001
签发日期: 2021.01.29
签发单位: 深圳市航天创新科技有限公司
申请人: Shenzhen Changlian Innovations Technology Co., Ltd.
物品名称: 锂离子电池 SP-U9P-600E 18.2V 3146 505.2Ah

Name of Goods: Lithium ion battery pack SP-U9P-600E 18.2V 3146 505.2Ah

北京迪捷姆空运技术开发有限公司
Beijing DDM Air Transport Technology Development Co., Ltd.

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证书号: 4000033 号

外观设计专利证书

外观设计名称: 移动储能电源 (43)
设计人: 马磊、魏利
专利号: 2020 3 041719.3
专利申请日: 2020 年 04 月 20 日
专利权人: 深圳市航天创新科技有限公司
地址: 518000 广东省深圳市宝安区福海街道铁岗社区铁岗大道正丰工业园 A3 栋 3 层
授权公告日: 2020 年 08 月 14 日 授权公告号: CN 300980771.3
国家知识产权局授予中华人民共和国发明专利权, 专利权期限自公告之日起二十年。
专利法实施细则规定的期限, 专利权的保护、使用、转让、许可、质押和许可他人制造或使用, 应当依法遵守专利法及其实施细则的规定。

局长 申长雨
申长雨

第 1 页 (共 2 页)

Verification of Conformity

Registration No.: A210124-C01-R01

Report No.: A210124-C01-R04
Applicant: Shenzhen Changlian Innovations Technology Co., Ltd
Address: Building A3, Zhongling Industrial Park, Tangwei Avenue, Fuhai Town, Bao'an District, Shenzhen, China

EC-Representative: /
Address: /
Product: Portable energy storage power supply
Model No.: SP-U9P-600E
Trademark: SOOP

The submitted products have been tested by us with the listed standards and found in compliance with the following European Directives:
The EMC Directive 2014/53/EU
EN 55032:2015+A11:2020
EN 55035:2017+A11:2020
EN IEC 61000-3-2:2019
EN 61000-3-2:2015+A1:2019

The test results apply only to the particular sample tested and to the specific tests carried out. This verification applies specifically to the sample investigated in our test reference number only.

Certified by: Simple Guan
Date: June 10 2021

Shenzhen Alpha Product Testing Co., Ltd.
Building 1, No. 2, Lian Road, Fuyong Street, Bao'an District 518103, Shenzhen City, Guangdong Province, P.R. China
Website: <http://www.alpha-test.com> Email: alpha@alpha-test.com

TEST REPORT DECLARATION

Applicant: Shenzhen Changlian Innovations Technology Co., Ltd.
Address: Building A3, Zhongling Industrial Park, Tangwei Avenue, Fuhai Town, Bao'an District, Shenzhen, China
Manufacturer: Shenzhen Sin Feng Sheng Technology Co., Ltd.
Address: Building A3, Zhongling Industrial Park, Tangwei Avenue, Fuhai Town, Bao'an District, Shenzhen, China
EUT Description: Portable energy storage power supply
(A) Model No.: SP-U9P-600J
(B) Trademark: SOOP

Measurement Standard Used:
FCC Rules and Regulation Part 15 Subpart B Class B, ANSI C63.4 2014

The device described above is tested by Shenzhen Alpha Product Testing Co., Ltd. to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The test results are contained in this test report and Shenzhen Alpha Product Testing Co., Ltd. assumed full responsibility for the accuracy and completeness of test. Also, this report shows that the EUT is technically compliant with the FCC Part15 requirements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of Shenzhen Alpha Product Testing Co., Ltd.

Tested by (name + signature): Ben Sun
Project Engineer

Approved by (name + signature): Simple Guan
Project Manager

Date of issue: May 7, 2021

To ensure that every product is high quality, Our company implements the quality control system stringently. We have passed CE, FCC, PSE, UL, UN38.3, MSDS certificates.