

EnviroBest®



UN38.3



PORTABLE POWER STATION

Core Technology



2500W
High Power



2496Wh
High Capacity



4000+
High Cycle Life



1.7H
Fast Charge 80%



3900W
Super Load



230V
Pure Sine Wave



14
Output Ports



100W
PD



800W
Solar Charging



EPS
Function



Smart
Power Supply



Smart
Car-charging



Smart
BMS



High quality
Battery



Bidirectional
Inverter Technology



Fast AC Charging

0%~80% 1.7 Hours,
~100% 2.4 Hours



Multiple Safety Features

Protect your devices against short-circuiting, overheating, over-current, over-voltage, and more.



Emergency Power Supply

Immediately switch to the battery to power your device when the AC input is interrupted.



Smart Power Supply

Auto-charging to maintain 90% capacity when the product is long-term connected to city power.



High-safety & Long-life Battery

Use high safety and long cycle life LiFePO4 battery.



High Precision BMS

Improve energy efficiency and prevent over-charging or over-discharging. Early warning of battery life using machine learning technology.



Smart Car-charging

Smart recognition for car-charging input and whether the car engine works or not.



Super Load

Support devices with rated power exceeding 56% of the product.

Super Capacity

Equipment power supply time



1 Hours

EV Car
~10 Km



800W

Electric Rice Cooker
3.2 Hours



10W

Electric lights
250 Hours



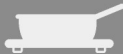
65W

Car Refrigerator
38 Hours



1000W

Microwave Oven
2.5 Hours



1000W

Induction Cooker
2.5 Hours



600W

Coffee Maker
4.3 Hours



60W

Drones
41 Times



40W

Electric Fan
62.5 Hours



900W

Electric Drilling Machine
2.7 Hours



49.9Wh

Laptop
50 times



4310mAh

Switch
191 Times

Bidirectional inverter technology

Efficient and adjustable charging power



Super Fast AC Charging

It takes 1.7 hours to charge from 0% to 80%. 2.4 hours to 100%.

AC plug-and-charge, up to 1400W input power

High-safety & Long-life Battery

- High quality EVE cell
- High safety LiFeO₄ battery
- 4000+ cycles long cycle life battery



Battery Management System

Keep the Battery Insulated from Risks

Product has a built-in high precision BMS. It is designed to keep the battery operating safely.

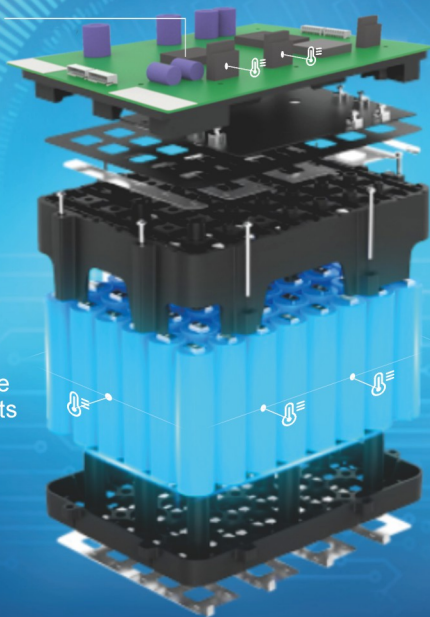
It prevent over-charging, over-discharging, supercooling and overheating.

It has 8 temperature detection points far beyond peers and uses Ti power control IC.

Ti Power Control IC

2 Temperature
Detection Points

6 Temperature
Detection Points



**Products have passed
the harsh safety certification
of Japan, Europe and North America**

CB

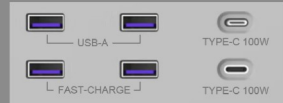
CE

**UK
CA**



14 Output Ports

Explore 14 versatile Output Ports for different requirements.



USB-A
*2

QC3.0
*2

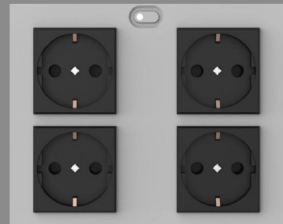
TYPE-C
*2



12V Anderson
output

DC 5521
*2

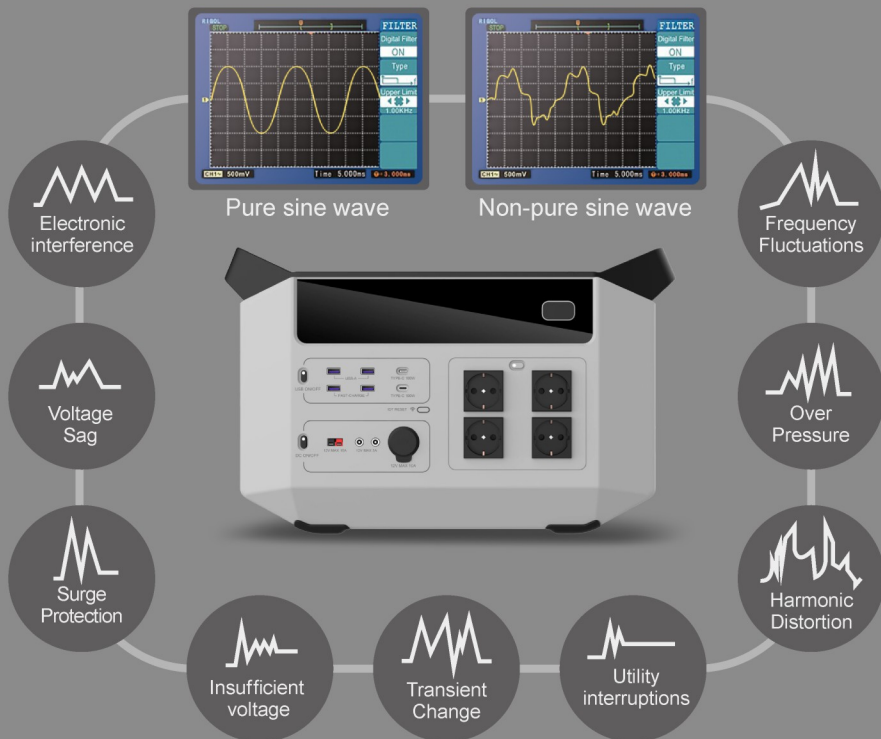
Cigar lighter



AC output
*4

Pure sine wave solving 9 power problems

Keep your equipment in a stable electrical supplying



Practical Scenes



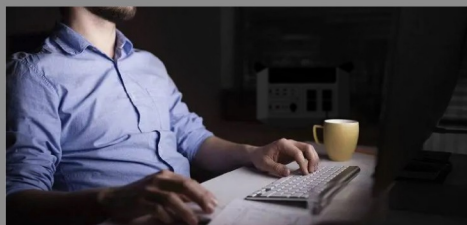
Outdoor activities



Outdoor Work



Drones



Home power failure emergency



EPS Backup



Car Travel



Portable EV charger

4 Charging Options

- You can charge SP2500 with a direct AC charger without any cumbersome adapter.
- You can also charge it using any solar panel (MAX 800W) available on the market.
- Using a generator, an EV charger, a car charger, or a gas charger are other charging options.



Solar Panels



AC Input



Car Charger

Power Generator



Product Specification

Modle	SP2500
Wattage	2500W
Capecity	2496Wh
Cell Chemistry	LiFe04
Cycle Life	4000cycles
AC Output Type	Pure Sine Wave
Voltage	230V
Product Dimensions	515*292*322mm
Net Weight	about 25.5kg
Charging temperature	0°C-40°C
Discharge Temperature	-20°C-45°C
Storage temperature	Short-term (<3 months): -20°C-45°C Long-term (3-12 months): 0°C-25°C
USB-A port(×4)	5V-3A, 9V-2A, 12V-1.5A max 18W
Type-C port(×2)	5V / 9V / 12V / 15V-3A, 20V-5A max 100W
DC5521 port(×2P)	13V-3A max
Anderson Output	13V-15A max
Cigar lighter port	13V-10A max
AC input	1400W max
DC input	800W max
Car-charging	13.2V max 8A
Solar charging	8V-40V max 22A

Use and storage attentions

Use attentions

- 1) Do not approach or expose the machine to high temperature environment, such as fire source, heating equipment, etc.
- 2) Do not short-circuit, overcharge or overdischarge the machine.
- 3) Do not subject the machine to excessive mechanical impact, and it is forbidden to needle, beat, bump, trample or throw power supply.
- 4) Do not invade the machine into any liquid, such as seawater or water; Do not use it in a thunderstorm or wet environment.
- 5) Don't use the machine in the environment of strong electricity and magnetic field.
- 6) Do not disassemble or repair the machine by yourself. If you need to repair or replace parts, please contact the official channel provider.
- 7) Do not place the machine with metal conductive items such as necklaces, coins, hairpins, wires, etc.
- 8) Do not block the fan outlet of the machine, or use the machine in a dusty environment.
- 9) Please keep the machine out of the reach of children and pets.
- 10) Please strictly follow the user's instruction to use this machine, so as to prevent the machine from being damaged and malfunctioning, thus causing serious accidents such as battery fire or explosion.
- 11) Do not discard the machine directly, please discard it according to local laws and regulations, or contact a professional battery recycling company for disposal.

Storage recommendations

The machine should be stored in the temperature range of 0°C~25°C, low humidity and corrosion-free environment, away from heat sources, water sources and metal conductive articles. It should be charged to 30% of capacity for short-term storage(<3 months) and to 60% of capacity for long-term storage(3~12 months).

The delivery machine is in nearly 30% charging state. Due to the machine's self-consumption, the machine delivered to the client can't be completely guaranteed to enter the working state immediately. During transportation, violent vibration, impact, sun and rain should be prevented. If the machine has not been used for a long time or the power is seriously insufficient, it is necessary to charge the product before further use.

* The warranty period of this product is 24 months. During the warranty period, if there is any quality problem, the company promises to exchange or guarantee it.