

Shell SPS-2000-01 2000W Portable Power Station User Guide

Home » Shell » Shell SPS-2000-01 2000W Portable Power Station User Guide

Shell SPS-2000-01 2000W Portable

Power Station User Guide







Portable Power Station

1997Wh Portable Lithium Battery Emergency Power Source SPS-2000-01

© 2022 Shell Brands International AG. All rights reserved.

INSTRUCTIONS PERTAINING TO RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

WARNING – When using this product, basic precautions should always be followed, including the following:

- a) Read all the instructions before using the product.
- b) To reduce the risk of injury, close supervision is necessary when the product is used near children.
- c) Do not put fingers or hands into the product.
- d) Use of an attachment not recommended or sold by the power pack manufacturer may result in a risk of fire, electric shock or injury to persons.
- e) To reduce the risk of damage to the electrical plug and cord, pull the plug rather than the cord when disconnecting the power pack.
- f) Do not use a battery pack or product that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
- g) Do not operate the power pack with a damaged cord or plug, or a damaged output cable.
- h) Do not disassemble the power pack; take it to a qualified service person when service or repair is required. Incorrect reassembly may result in a risk of fire or electric shock.
- i) To reduce the risk of electric shock, unplug the power pack from the outlet before attempting any instructed servicing.
- i) When charging the internal battery, work in a well ventilated area and do not restrict ventilation in any way.
- k) Do not expose a power pack to fire or excessive temperature. Exposure to fire or temperature above 265 °F {130 °C) may cause explosion.
- 1) Have servicing performed by a qualified repair person using only identical replacement parts. This will ensure that the safety of the product is maintained.
- This product is not waterproof. Use indoor if it is raining or the ground is wet outside ...
- The product is not to be stored or kept in a vehicle.
- Do not plug in a device that exceeds the rated power or current value of the AC or DC output ports. Doing so may result in electrical shock, chemical burn, fire, or explosion and will void the warranty.
- Do not disassemble the product, there are no user-serviceable parts inside. Incorrect reassembly may result in electrical shock, chemical burn, fire, or explosion causing personal injury or damage to other devices.

 Disassembly of the product will void the warranty.
- Improper use of this product may result in electrical shock, chemical burn, fire, or explosion causing personal injury or damage to other devices.
- The product may become warm during operation. During operation, keep the product away from materials that may be affected by warm temperatures.
- Do not leave a product on prolonged charge when not in use. **SAVE THESE INSTRUCTIONS FOR FUTURE**REFERENCE!

SIGNAL WORDS

DANGER Indicates a hazardous situation that, if not avoided, will result in death

or serious injury.

WARNING Indicates a hazardous situation that, if not avoided, could result in

death or serious injury.

CAUTION Indicates a hazardous situation that, if not avoided, could result in

minor or moderate injury.

NOTICE Indicates information considered important, but not hazard related.

INTENDED USE

 This product is intended for charging external devices. This product supports DC and AC outputs and provides USB-A & QC, USB-C PDfunctionality.

- This product is intended for private use only. It is not intended for commercial use.
- This product is not waterproof. Use indoor if it is raining or the ground is wet outside.
- This product is not suitable for use with personal safety equipment, equipment for nuclear facilities, the manufacture of air and spacecraft, etc.

BEFORE FIRST USE

A DANGER

- Keep any packaging materials away from children and pets these materials are a potential source of danger, e.g. suffocation.
- Remove all the packing materials.
- Remove and review all components before use.

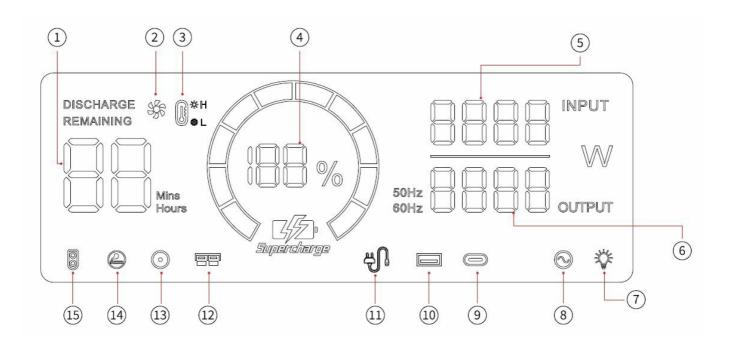
TIPS

A CAUTION

- The product is not permitted for use on aircrafts.
- To preserve the battery lifespan, recharge the battery at least every 6 months.
- · Use original or certified charger and cables.
- Avoid extreme temperature.
- · Do not drop.
- · Do not disassemble.
- · Do not expose to liquids.

- Install the plug covers after each operation.
- Fully charge the battery before first use and prolonged storage.
- Charge, operate and store the product in the allowed temperature range only (32-104 °F [0-40 °C]).
- Switch off external devices before connecting them to the product.
- When transporting the product (e.g. in a car) fix the product securely to prevent hitting other objects or a fall.

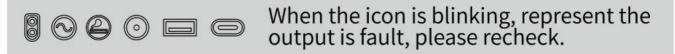
PARTS AND FEATURES

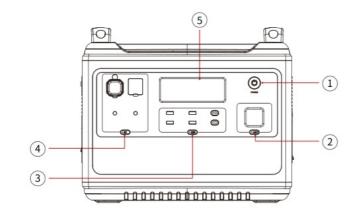


- 1) Charging/using time
- 2) Fan state
- 3) High/low temperature
- 4) Power percentage
- 5) Total input power
- 6) Total output power
- 7) LED light
- 8) AC output
- 9) Type-c output
- 10) USB output
- 11) AC charging
- 12) Anderson charging
- 13) DC output
- 14) Cigar lighter output
- 15) XT-60 output

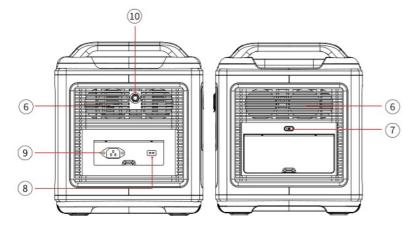
Display Attention

- When this icon light up. Please keep Air intake/outlet unobstructed.
- When this icon light up. Please note the device is now with high/low temperature and will possibly stop working till the temperature back to normal standard.
- When this icon is blinking, represent that the AC input is fault, please recheck(Power/Hz/cable).





- 1 Main power control
- ② Light control
- (3) USB control
- (4) DC control
- 5 LCD display



- 6 Air intake/outlet
- AC on/off control(50Hz/60Hz switching control)
- Anderson input port(for solar panel)
- AC input port
- 10 Overload protection

(1) Main Power Control

Main Control for the whole system turn on/of.

Operate method: long press the button for 3s to turn on/off the system.

(2) LED light control

Operate method: short press to turn on and change the light mode (SOS/Flash).

Notice: you can turn off the light by long press the button(I-2s) in any mode.

(3) USB button

Operate method: short press to turn on/off.

USB-A×2	USB-A×2	TYPE-C×2
5V/2.4A	QC3.0-18W	PD-100W

(4) DC button

Operate method: short press to turn on/off.



(5) LCD display

Present the remaining power and using data.

(6) Cooling system

When the fans are working, please don't block the channel.

(7) AC button(AC output, total share 2000W)

Operate method:short press to turn on/off.

Notice: 1.Please confirm the output voltage or frequency before using

2.Long press the button for 2s to entry the frequency changing mode, SO Hz and 60Hz will blink in the display, press again the button to chose the right frequency, wait till the frequency is not blinking, then you will get the frequency you want.

3. Quick short press for 10 times to switch the voltage 100V or 110V.

(8) Solar panel input

Use the included Anderson→ MC4 conversion cable to connect the solar panel.

- 1. Solar panels can have a maximum input of SOOW and a maximum voltage of SOV.
- 2. If exceeding the maximum voltage leads to equipment damage, it is beyond the scope of warranty.

(9) AC Input

Use wall socket to get 1100W fast charging, which can full charge from Oto 100% in 2 hours.

- *The product can be charged directly by the wall socket, please do not use extension cords and cable taps. When the product is charging, do not plug other products in the same socket.
- * Please do not plug several devices together in a extension socket at once, the current will be to high and bring damage to the cable and fire risk.
- * Do not use the same socket to connect other devices when charging this product. When the same wiring in a general household exceeds IS00W,The safety circuit breaker will be activated.

(10) Overload protector

To protect this product, an overload protector is added. Prevent damage to the product due to excessive AC input current caused by lightning and power grid fluctuations. When such a situation occurs, the overload protector will start to cut off the AC input to protect the product

Restore the AC input function of the product in the following sequence.

- 1. Turn off the power button and unplug all ports.
- 2. After confirming that all parts are normal, turn on the power button.
- 3. Press the overload protection button to switch on the AC line to restore AC input.

UPS MODE

UPS function

This product has the bypass mode, does not need to pass through the battery, can directly output from the AC. In UPS mode, when the AC input power of the mains is cut off due to a power outage, the ac input power of the mains can be used in about automatic switch to product battery power within 10 ms to ensure AC output.

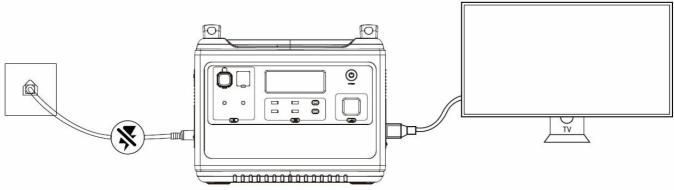
UPS Connections

As shown in the figure below, connect the product between the socket on the wall and the electrical appliances, and the power of the product is in the ON state. When you turn on the power of the electrical appliances, it will directly uses the AC power of the power grid.

In this state, when the power grid is cut off, it will automatically switch to the product's internal battery to supply power.

*In UPS mode of The United States and Japan, the maximum power output of AC is below 1100W, and the AC output exceeds II00W. The AC output icon" 60 "blinks indicating overload.

*In UPS mode of the China, United Kingdom, Europe and South Korea, AC output of the maximum power below 2000W, AC output over 2000W, "O" AC output icon flashes indicating overload.



Our products can be connected to solar panels and can be charged through solar panels.

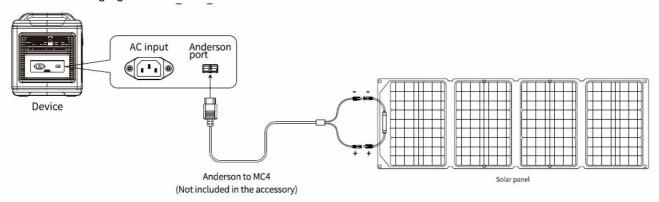
The solar panels produce 400 watts of power and can be fully charged in as little as five hours. (Solar panel input can be the most maximum S00W(maximum voltage S0V)

- *Solar panel charging power, according to the weather and climate conditions.
- *Solar panel voltage exceeding SOV will damage the equipment and may not be covered by warranty.

By solar panels

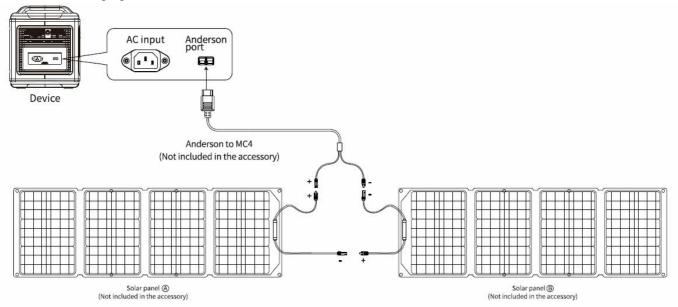
Connecting Pattern (1)

The area of charging



Connecting Pattern(2)

The area of charging



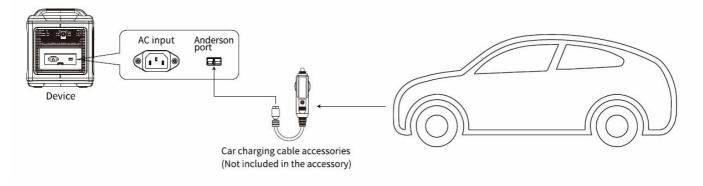
CAR CHARGING

This product can be charged by the cigarette lighter in the car with an ACC cable.

Turn on the power of this product, connect the ACC charging cable to the cigarette lighter in the car and the Anderson interface on the side of the product, turn on the engine of the car, and the LED of this product will show the input power.

- *On-board charging should be carried out with the car engine turned on. If the engine is not turned on, the battery might run out.
- *Car charging is usually low power of 90-120W, and the charging time will be long.

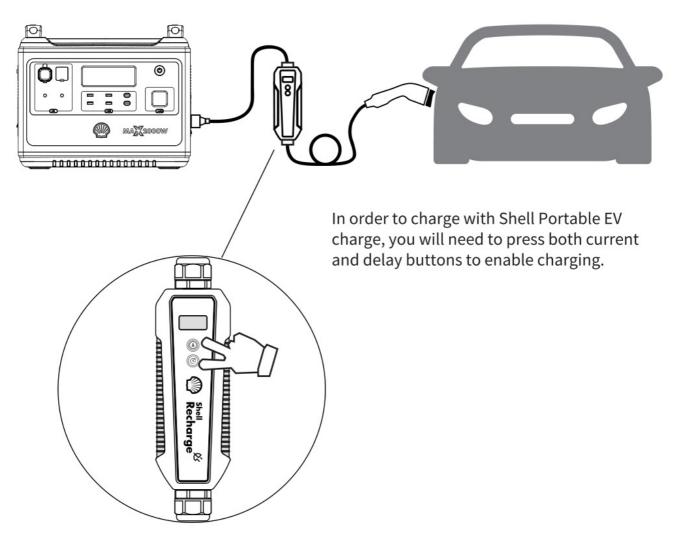
If you need quick charge, it is recommended to use AC charging.



ELECTRIC VEHICLE CHARGING

This portable power station is capable to charge up your electric vehicle in emergency cases. You can connect with Shell Portable Level 2 EV charger (SEV-32-01 or SEV-40-01) to the AC output port, this power station can provide I.76kW maximum output power for EV charging.

*This operation is only use in case of emergency, recommend user should charge your electric vehicle at home or at charging station.



USER MAINTENANCE INSTRUCTIONS

A CAUTION

- Install the plug covers before cleaning and/or storing the product.
- Always carry the product by the handle 27.
- · Disconnect all external devices and switch off the product before cleaning
- During cleaning, do not immerse the product in water or other liquids . Never hold the product under running water.
- To clean the product, wipe with a soft, slightly moist cloth .
- Never use corrosive detergents, wire brushes, abrasive scourers, metal or sharp utensils to clean the product.

MOVING AND STORAGE INSTRUCTIONS

NOTICE

- The product's battery is not replaceable.
- Fully charge the battery before storage. In case of a prolonged storage, fully charge the product every 6

months

- Store the product in its original packaging in a dry area, Keep away from children and pets.
- Store the product in dry, warm conditions, away from direct sunlight.

SPECIFICATIONS

General

Model:	SPS-2000-01	
Dimensions:	15.43 x 10.98 x 12.72" (39.2 x 27.9 x 32.3 cm)	
Weight:	48.5 lb (22 kg)	
Storage Condition:	14°F to 104°F (±5°F), -10°C to 40°C (±3°C)	

^{*} The weight and dimensions may vary due to measurement errors. Please refer to the actual measurements.

Power Output

AC Output:	Rated 2000W Total,
	Surge Peak 4000W
DC Output x 2:	12V/3A
XT-60 Port:	12V/10A
Cigarette Port:	12V/10A
USB-A x 2 Output:	5V/2.4A
USB-A QC x 2 Output:	5~12V/3A 18W Max
Type-C x 2 Output:	5~20V/5A 100W Max

Power Input

AC Super Charge:	100V-120V
	50Hz/60Hz 1100W Max
Charging Time:	About 2 Hours
Solar Panel Input:	11.5-50V 500W Max

Battery

Battery type:	LiFePo4 Lithium Battery	
Battery Capacity:	1997Wh	
Shelf life:	1 year (after full charge)	
Cycle life:	2000 cycles (80 %)	

TROUBLESHOOTING

Status	Explanation	Recover method
Above icon flashes and buzzes.	output exceeds standard, short circuit.	 Remove the load. Check whether the overload protector is up. If it is up, press the overload protection button is pressed, press the AC output button. If the overload protector does not spring up, directly press AC output Restore output function.
The temperature warning icon flashes and buzzes.	The temperature of this product has exceeded the appropriate temperature.	Remove the equipment, turn off the power of this product, and wait for the equipment to reach the appropriate temperature.
சு Charging unavailable.	Bad wire connection.	Confirm the connection status of the line and the power supply status.
	Overload protection function activated.	 Turn off the power button and remove cables from all ports. After verifying that all components are normal, turn on the power button. Press the overload protection button to connect the AC cable to recover AC input.

WARRANTY CONDITIONS

- a) We will, at our discretion, repair any product that proves to be defective in material or workmanship during the warranty period of 12 months.
- b) A valid proof of purchase must be presented upon request for warranty service.
- c) The warranty shall not apply if:
- the product was modified or repaired in any way by persons other than our technicians
- the product has been damaged through misuse, negligence or inflow of any liquid
- the product was not used according to user manual
- losses or damages are caused by force majeure or natural disasters
- d) The warranty terms and conditions are subject to change without prior notice.
- e) Product specifications are subject to change without prior notice.
- f) Shell shall not be liable for technical or editorial errors or omissions contained herein.
- g) Visit www.skyintelligent.com/support for support and the latest product information.

FCC STATEMENT

FCC SUPPLIER'S DECLARATION OF CONFORMITY

Unique Identifier	SPS-2000-01
Responsible Party	TianHeng Consulting, LLC
U.S. Contact	392 Andover Street,
Information	Wilmington, MA 01887, USA
Email	support@skyintelligent.com

support@skyintelligent.com

FCC COMPLIANCE STATEMENT

- 1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
 - (1) this device may not cause harmful interference, and
 - (2) this device must accept any interference received, including interference that may cause undesired operation.
- 2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- · Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

ISED COMPLIANCE STATEMENT

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s).

Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

This equipment complies with FCC/IC RSS-102 radiation exposure limits set forth for an uncontrolled

environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body.

Imported by: TianHeng Consulting Inc. 130 Terence Matthews Cres, Suite C2Kanata, ON K2M OJI Canada



Portable Power Station

1997Wh Portable Lithium Battery Emergency Power Source SPS-2000-01

Power Station is part of the Shell Energy range of products. Shell and the Shell Pecten logo are trade marks of Shell. Used under license

Contents

1 Documents / Resources

1.1 References

Documents / Resources



Shell SPS-2000-01 2000W Portable Power Station [pdf] User Guide

SPS-2000-01 2000W Portable Power Station, SPS-2000-01, 2000W Portable Power Station, Power Station, Station

References

• User Manual

Manuals+, Privacy Policy