SONO**POWER**

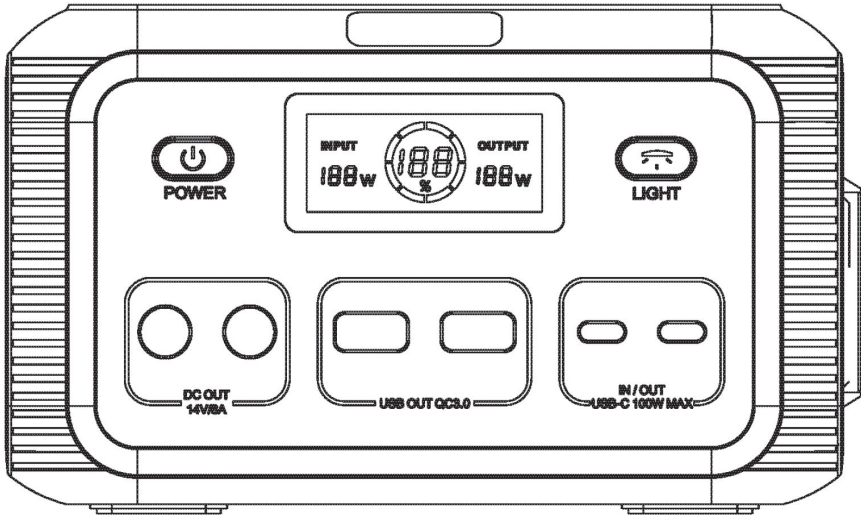## USER MANUAL - MPS100
100W Portable Power Station

FEATURES

- Multifunction Display
- 230V AC Output
- 14V 8A Output
- Dual USB-C Input and Output
- Dual USB-A Outputs
- Dual DC5525 Outputs
- Flashlight
- 5-Way Protection Circuit

Contents

Description

The MPS100 Power Station is a compact and portable battery pack capable of delivering up to 100W of power via its AC output. It features fast charging support through two USB-C ports and two USB-A ports, making it ideal for powering and charging a wide range of devices. Additionally, the unit includes dual DC5525 outputs for added versatility.

A built-in multifunction display provides real-time information, including battery percentage, input power, and output wattage. The MPS100 also includes a built-in LED flashlight, making it a practical companion for outdoor use and travel.

Specifications

Model:	MPS100
Rated Output Power:	100W
Peak Output Power:	200W
Rated Capacity:	76.8Wh
Standard Capacity:	19.2V / 4Ah
Overload Protection:	110W ±10W
AC Output:	230V ±10% @50Hz
Output Waveform:	Modified Sine Wave
USB-A Output:	Quickcharge 3.0 (2x 18W)
USB-C Output:	Power Delivery (2x 100W)
DC Output:	2x 14V/8A (DC5525 Connector)
Charging Input:	12V-24V/5A, 100W MAX
Working Temperature:	-10~40°C
Dimensions (LxDxH):	178 x 112 x 106mm
Weight:	1.5kg

Product Overview
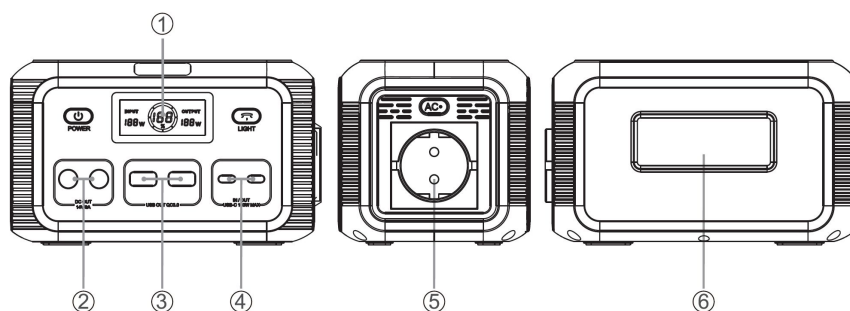
1 LCD Multifunction Display   **4** USB-C Input / Output (DC/PD/PV)

2 DC5525 Output   **5** 230V AC Output (100W)

3 USB-A Output   **6** LED Flashlight

Button Overview
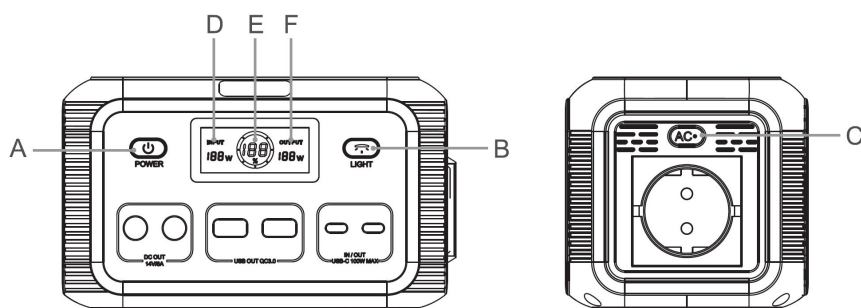
A Power ON/OFF   **D** Input Wattage Status

B LED Light   **E** Battery Percentage Level Indicator

C AC Output Power ON/OFF   **F** Output Wattage Status

Button Functionality

Power ON/OFF
Press the Power button to turn on the device. Once powered on, you can activate the DC outputs, AC output, and LED flashlight.
Press the Power button again to turn off the device.

LED Light Operation
After turning on the device, press the Light button to control the LED flashlight:

- 1 Press = LED light ON
- 2 Presses = Flash mode
- 3 Presses = SOS mode
- 4 Presses = LED light OFF

DC / USB-A / USB-C Outputs
Press the Power button to activate the DC5525, USB-A, and USB-C outputs.
Press the Power button again to deactivate these outputs.

230V AC Output ON/OFF
After powering on the device, press the AC button to enable the 230V AC output.
Press the AC button again to turn it off.

LCD Display Information

The LCD display shows the battery percentage, the input power and the total output power from all sources.

After inserting the charger into the DC charging port the charging power is displayed on the left side of the screen.

When a device is connected to any output, the screen will light up and show the total output power.
To display AC output power, the AC output must be turned on using the AC button.

If the power station detects an error or fault, the corresponding section on the display will begin to flash, indicating the problem area.
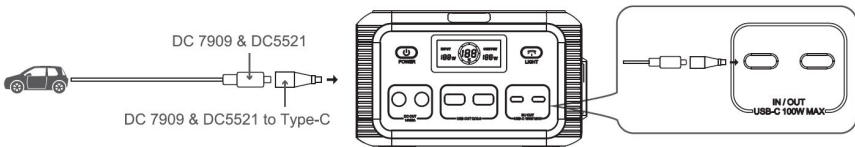
Sleep Mode: To conserve energy, the display will automatically enter sleep mode after 20 seconds of inactivity.
The screen will wake when a button is pressed or when a new device is connected.
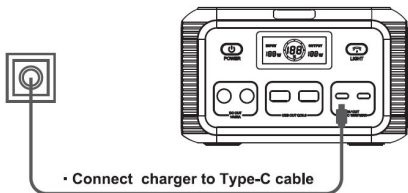
How To Charge

DC 7909 & DC5521

DC 7909 & DC5521 to Type-C

IN / OUT
USB-C 100W MAX
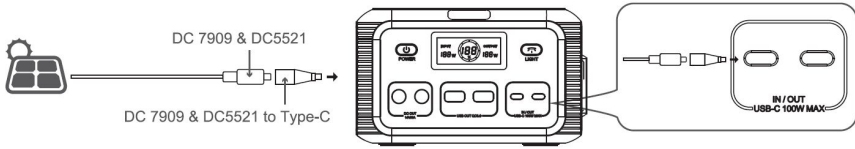
· **From Solar Charger 18V solar charging pannel depending on solar conditions.**

DC 7909 & DC5521

DC 7909 & DC5521 to Type-C

IN / OUT
USB-C 100W MAX

· **From Car Port 12V when car running 12V car charging (connect by transfer piece)**

· **Connect charger to Type-C cable**

⚠ • *DO NOT CONNECT DEVICE VIA AC OUTPUT PORT WHILE CHARGING THE POWER STATION.*
• *RECOMMEND TO DISCONNECT THE POWER STATION WHEN FULLY CHARGED.*

Charging the MPS100

To charge the MPS100, connect the included AC wall adapter to one of the USB-C input ports (A PD 100W charger is recommended).

The LCD screen will illuminate while charging, and the battery level indicator will show the current charge status. A full charge typically takes 1–2 hours, and the unit is fully charged when the indicator reaches 100%.

To maintain battery health, it is recommended to fully charge the MPS100 at least once every 3 months, even if not in use.

Pass-Through Charging

The MPS100 supports pass-through charging, allowing you to power or charge devices via the DC5525 and USB-A outputs while the power station itself is being charged.
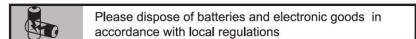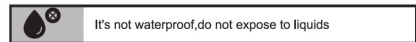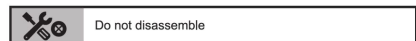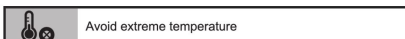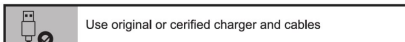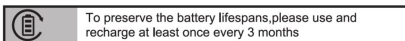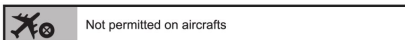*Note: Do not use the AC output while charging!*

Overload

If an overload occurs on the output ports, the MPS100 will respond differently depending on the type of port:

- **AC Output:**
  The MPS100 will automatically turn off power to the AC outlet. Press the AC button again to restore power after resolving the issue.

- **DC Output (DC5525):**
  Check the connected device and charging cable. After verifying everything is safe, disconnect and reconnect the cable to resume operation.

- **USB-C Output:**
  Inspect the connected cable and device. Unplug and reconnect the USB-C cable to restore normal function.

Waste Disposal

Do not discard it with regular household waste, as improper disposal may harm the environment. Instead, take it to a certified electronic waste recycling center or follow your local regulations for electronic device disposal.

Not permitted on aircrafts		Avoid dropping	
To preserve the battery lifespans,please use and recharge at least once every 3 months		Do not disassemble	
Use original or cerified charger and cables		It's not waterproof,do not expose to liquids	
Avoid extreme temperature		Please dispose of batteries and electronic goods in accordance with local regulations	

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MOBILE POWER SOLUTIONS

Warnings

- Do not put the power station in water.
- Keep the power station away from heat sources and open flames. Do not disassemble or modify the product without proper authorization. Do not damage the power station.
- Do not use or store the battery in high-temperature environments (such as direct sunlight or inside a hot vehicle), as this may cause overheating, fire, malfunction, or reduced battery life.
- Do not disassemble or tamper with the battery.
- Avoid short-circuiting the battery terminals.
- Only use a dedicated charger designed for this battery. Using an incompatible charger may be dangerous.
- Avoid direct contact with a leaking battery. Battery electrolyte may irritate the skin or eyes. If contact occurs, rinse the affected area with clean water immediately. Do not rub the eyes. Seek medical attention promptly if electrolyte enters the eyes.
- If the battery has been stored for more than three months, it should be fully charged and discharged once using a suitable charger to maintain performance.
- DO NOT attempt to repair the MPS100 or the AC wall plug power adapter.
- If rust, odor, overheating, or other abnormal circumstances occur, stop using the device and contact customer service.
- Keep away from children.
- Risk of fire and burns, DO NOT open, crush, expose to temperatures above 45°C (113°F), or incinerate.
- Keep this product away from pets.

DESIGNED AND ENGINEERED IN SWEDEN.
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PLEASE VISIT SONOPOWER.SE
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