

Manuals.plus /

› Cellplay /

› Cellplay Greenery G2500 2500W 2304Wh Portable Power Station User Manual

Cellplay G2500

Cellplay Greenery G2500 2500W 2304Wh Portable Power Station User Manual

Model: G2500 | Brand: Cellplay

1. IMPORTANT SAFETY INSTRUCTIONS

Read all safety instructions before operating the power station. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Do not expose the power station to water, rain, or humid environments.
- Use only in dry environments. Avoid placing the unit in damp areas or where condensation may occur.
- Do not disassemble, repair, or modify the unit. Refer all servicing to qualified personnel.
- Keep away from heat sources, open flames, and direct sunlight for prolonged periods.
- Ensure proper ventilation during use and charging. Do not block ventilation openings.
- Keep out of reach of children and pets.
- Use only approved accessories and charging cables.
- In case of fire, use a dry powder fire extinguisher. Water may cause electric shock.



2. PRODUCT OVERVIEW

The Cellplay Greenery G2500 is a high-capacity portable power station designed to provide reliable power for various applications, from home backup to outdoor activities. It features a 2304Wh LiFePO4 battery and a 2500W AC output (5000W peak).



Figure 2: Front view of the Cellplay Greenery G2500 Portable Power Station.

2.1 Key Features

- **High-Quality LiFePO4 Battery:** Over 3,500 charge cycles with a lifespan of up to 15 years.
- **Advanced BMS System:** Built-in Battery Management System and Control Unit for enhanced safety and battery longevity.
- **Large Capacity & High Power:** 2304Wh capacity with 2500W continuous AC output (5000W peak).
- **Adjustable Input Power:** Five levels of adjustable input power (300W, 500W, 700W, 900W, 1100W).
- **0.02s UPS Function:** Automatic switch to battery power within 0.02 seconds during AC input disconnection.
- **Multiple Charging Methods:** AC adapter, solar panel (max 500W), car cigarette lighter (12V/24V), and generator.
- **Versatile Outputs:** 4 AC ports, 2 USB-A (QC3.0), 3 USB-C (PD 20W), 1 USB-C (PD 100W), 1 cigarette lighter port, 2 DC 5521 ports, and 1 XT60 port.

ALL-IN-ONE POWER STATION

2304Wh | 2500W

Surge

5000W



TV

13 hours

(150W)



Light

652 hours

(3W)



Refrigerator

32.6 hours

(60W)



Kettles

2.8 hours

(700W)

Figure 3: Internal structure highlighting the LiFePO4 battery and BMS.

VERSATILE WITH BROAD UTILITY



Home Backup



Camping



RV Trip



Profession Work

Figure 4: Available output ports on the Cellplay Greenery G2500.

3. WHAT'S IN THE BOX

The package includes the following items:

- 1 x Cellplay Greenery G2500 Portable Power Station
- 1 x AC Power Cord
- 1 x XT90 to MC4 Converter (Solar Charging Cable)
- 1 x User Manual

Your browser does not support the video tag.

Video 1: Unboxing the SolarPlay 2500W 2304Wh Portable Power Station, showing the contents of the package including the power station, cables, and user manual.

4. SETUP

4.1 Initial Charging

Before first use, fully charge the power station. This ensures optimal battery performance and calibration. Connect the AC power cord to the power station's AC input port and then to a wall outlet. The display will show the charging status.

5. OPERATING INSTRUCTIONS

5.1 Charging the Power Station

The G2500 offers multiple charging options:

- **AC Charging:** Connect the AC power cord to a standard wall outlet. The power station supports up to 1100W AC input, allowing a full charge in approximately 1.5 hours when combined with solar.
- **Solar Charging:** Connect compatible solar panels (11.5V to 48V, max 500W) using the XT90 to MC4 converter. Place solar panels in direct sunlight for maximum efficiency.
- **Car Charging:** Use a 12V/24V car cigarette lighter adapter (not included) to charge the power station from your vehicle.



Figure 5: Overview of charging methods and estimated times.



Figure 6: Dual AC and Solar charging setup.

The input power can be adjusted to five levels: 300W, 500W, 700W, 900W, and 1100W, allowing you to optimize charging speed based on your needs and available power source.

5.2 Using the Outputs

The G2500 provides various output ports to power different devices:

- **AC Outlets:** Press the AC ON/OFF button to activate the 4 AC output ports. These can power devices up to 2500W continuously (5000W peak).
- **USB Ports:** The unit includes 2 USB-A (QC3.0), 3 USB-C (PD 20W), and 1 USB-C (PD 100W) ports for charging mobile devices, laptops, and other USB-powered electronics.
- **DC Ports:** Two DC 5521 ports and one cigarette lighter port provide 12V DC power for compatible devices.
- **XT60 Port:** One XT60 port is available for specific high-power DC applications.



Figure 7: Powering multiple devices simultaneously.



Figure 8: Examples of devices powered by the G2500.

5.3 Uninterruptible Power Supply (UPS) Function

The G2500 features a bypass mode, allowing direct power supply from the mains AC without battery conversion. In the event of a power failure, the UPS will automatically switch to its internal battery power supply within approximately 0.02 seconds, ensuring continuous AC output without interruption for connected devices.



Figure 9: UPS function in action, providing backup power to a computer.

5.4 LED Lighting

The power station includes a built-in LED light. Press the dedicated light button to cycle through different modes: On, SOS, and Flash. Press again to turn off.

6. MAINTENANCE AND STORAGE

- **Cleaning:** Wipe the exterior with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Battery Care:** For optimal battery life, fully charge the unit every 3-6 months if not in regular use. Avoid completely draining the battery for extended periods.
- **Storage:** Store the power station in a cool, dry, well-ventilated area, away from direct sunlight and extreme temperatures. Ensure the unit is turned off during storage.

7. TROUBLESHOOTING

If you encounter issues with your G2500 power station, refer to the following common solutions:

- **Unit Not Turning On:** Ensure the battery is charged. Press and hold the main power button for a few seconds.
- **No Output Power:** Check if the specific output port (AC, DC, USB) is activated. Verify the device connected is within the power station's wattage limits.
- **Slow Charging:** Ensure all charging cables are securely connected. For solar charging, confirm panels are in direct sunlight and not obstructed. Check the adjustable input power setting.
- **Overload Protection:** If an overload occurs, the unit may shut down. Disconnect the overloaded device, wait a few minutes, and then restart the power station.
- **Unusual Noise/Smell:** Immediately turn off the power station and disconnect all devices. Contact customer support.

8. TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	Cellplay
Model Name	G2500
Battery Type	LiFePO4
Capacity	2304Wh
AC Output (Rated)	2500W
AC Output (Peak)	5000W
AC Input	1100W Max (Adjustable: 300W, 500W, 700W, 900W, 1100W)
Solar Input (MPPT)	11.5V-48V, 500W Max
Car Charging Input	12V/24V
USB-A Output	2 x QC3.0
USB-C Output	3 x PD 20W, 1 x PD 100W
DC Output	2 x DC 5521, 1 x Cigarette Lighter Port
XT60 Output	1 x XT60 Port
UPS Function	0.02s Switchover Time
Dimensions	38.9"L x 28.6"W x 31.9"H
Weight	47.6 pounds

9. WARRANTY AND CUSTOMER SUPPORT

The Cellplay Greenery G2500 Portable Power Station comes with an 18-month warranty from the date of purchase. This warranty covers manufacturing defects and workmanship under normal use.

For warranty claims, technical assistance, or any questions regarding your product, please contact Cellplay customer support through the retailer's platform or the official Cellplay website. Please have your purchase receipt and product model number (G2500) ready when contacting support.