

[Manuals.plus](#) /

› [GRECELL](#) /

› GRECELL 1000W Solar Generator with 200W Portable Solar Panel User Manual

GRECELL T-1000

GRECELL 1000W Solar Generator & 200W Portable Solar Panel User Manual

Model: T-1000

1. INTRODUCTION

Thank you for choosing the GRECELL 1000W Solar Generator with 200W Portable Solar Panel. This powerful and versatile kit provides a reliable, green, and portable power solution for various needs, from outdoor adventures to emergency home backup. With a massive 999Wh capacity and 1000W (2000W surge) pure sine wave output, it can power a wide range of devices, including laptops, phones, lights, fans, and even mini-refrigerators.

The included 200W monocrystalline solar panel boasts a high conversion efficiency of up to 23.5%, ensuring faster recharging times. Its portable and super slim design makes it easy to transport and set up wherever you need power.



Figure 1.1: GRECELL 1000W Solar Generator and 200W Portable Solar Panel Kit.

POWERS WHAT YOU NEED

Easy to carry your power bank



Figure 1.2: The compact and portable design allows for easy transport.

2. PRODUCT OVERVIEW

The GRECELL T-1000 power station is equipped with multiple output ports to power up to 10 devices simultaneously. Understanding each component is key to effective use.

POWER 10 DEVICES AT THE SAME TIME



Figure 2.1: Front panel of the GRECELL T-1000 Power Station with all ports labeled.

- **AC Output:** 2 standard AC outlets (1000W total, 2000W surge) for household appliances.
- **USB-C PD 60W Output:** For fast charging compatible laptops and tablets.
- **USB-A QC3.0 18W Outputs:** 3 ports for quick charging smartphones and other USB devices.
- **Wireless Charger:** 10W wireless charging pad on top for compatible devices.
- **Car Port:** 12V/10A output for car appliances.
- **DC Outputs:** 2 DC outputs for various 12V devices.

- **LCD Display:** Shows battery level, power input/output, and status indicators.
- **Light:** Built-in flashlight for illumination.

3. SETUP & CHARGING

The GRECELL solar generator offers multiple ways to recharge, ensuring you always have power when you need it.

3.1 Initial Setup

Before first use, it is recommended to fully charge the power station. Unpack all components, including the power station, 200W solar panel, and charging cables.

Video 3.1: An overview of the GRECELL 1000W Solar Generator, including unboxing and initial setup of the solar panel.

3.2 Charging Methods

The power station can be charged using three primary methods:

1. **AC Outlet:** Use the included AC power adapter to charge from a standard wall outlet.
2. **Solar Panel:** Connect the 200W portable solar panel to the power station's PV input. The built-in MPPT controller optimizes solar energy conversion.

999Wh POWER STATION WITH 200W SOLAR PANEL

Fully charged about **5-6** hours



Figure 3.1: The power station can be efficiently charged using the 200W portable solar panel in direct sunlight.

3. **Car Outlet:** Use the car charger cable to recharge the power station from your vehicle's 12V car outlet.

The power station features an auto-optimization function for immediate reconnection when sunlight returns after charging interruption, ensuring continuous energy harvesting.

4. OPERATION

Operating your GRECELL solar generator is straightforward. Simply connect your devices to the appropriate output ports and activate the corresponding output module.

- **Powering Devices:** Plug your device into the desired AC, USB, or DC port. Press the corresponding power button (AC, DC, USB) on the front panel to activate the output.
- **LCD Display:** Monitor the battery level, power input (watts), and power output (watts) on the clear LCD display. This helps you keep track of energy consumption and remaining battery life.



Figure 4.1: The LCD display provides real-time information on power status.

- **Flashlight:** Press the 'Light' button to turn on the built-in flashlight. Multiple modes (steady, SOS) may be available.

999Wh MASSIVE CAPACITY, 1000W PURE SINE WAVE

On a picnic, outdoor party, camping, emergency, you have power to go.



Figure 4.2: The power station can support multiple devices for various outdoor activities.

5. PERFORMANCE & COMPATIBILITY

The GRECELL 1000W Solar Generator is designed for robust performance and wide compatibility.

- **Power Output:** Delivers 1000W continuous power with a 2000W surge capacity, suitable for most common electronics

and small appliances.

- **Battery Capacity:** 999Wh lithium battery provides extended power for prolonged use.
- **Solar Panel Efficiency:** The 200W monocrystalline solar panel achieves up to 23.5% conversion efficiency, outperforming many standard panels.

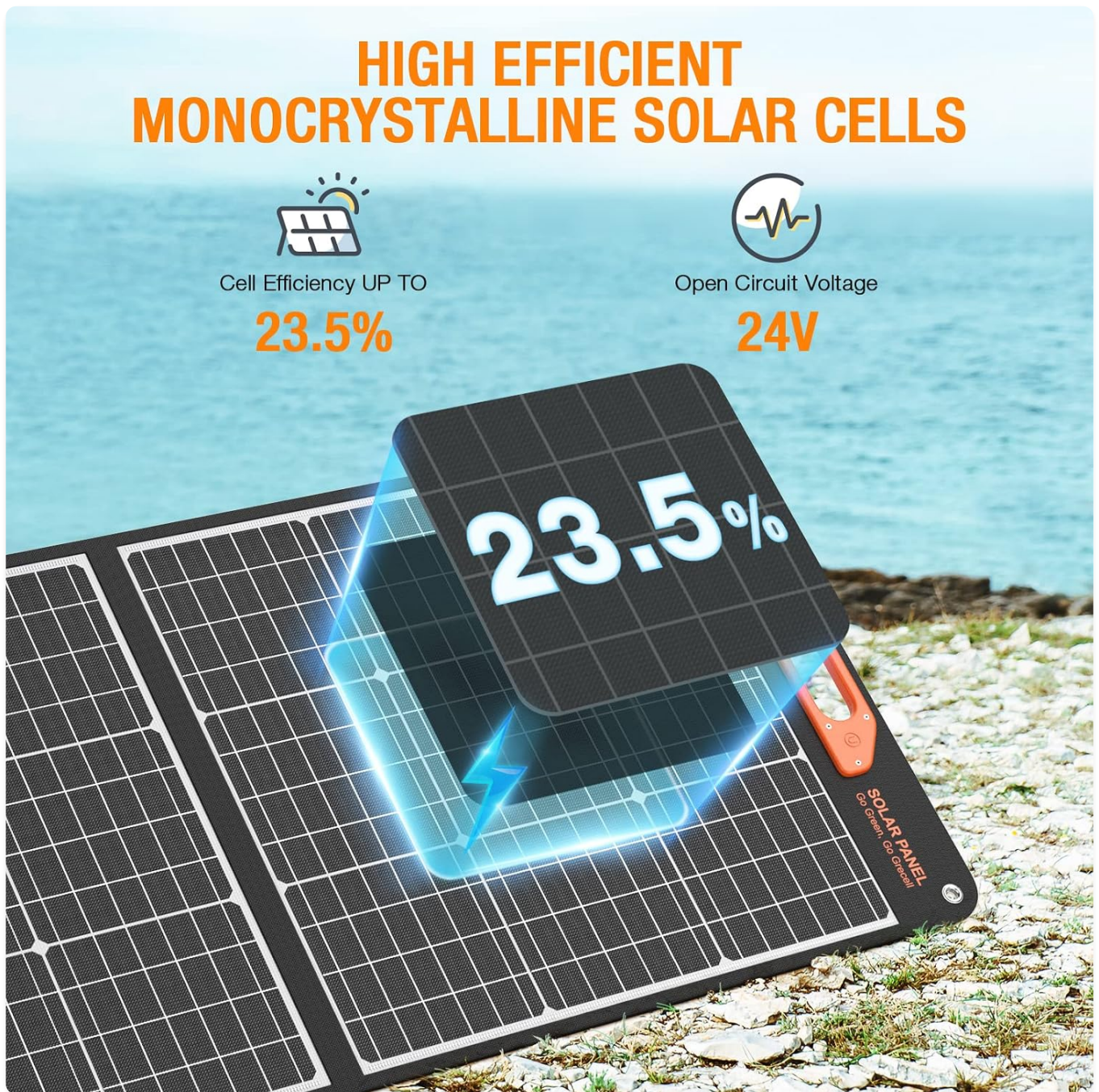


Figure 5.1: High-efficiency monocrystalline solar cells maximize power generation.

- **Device Runtimes:** The 999Wh capacity allows for extended runtimes for various devices. For example, it can power a mini-refrigerator for approximately 16.5 hours or charge a phone 90 times.

EMERGENCY BACKUP POWER OPTION

 **0.9h** (1000w)
Rice Cooker

 **25h** (40w)
CPAP

 **76h** (13w)
Laptop

 **60h** (15w)
32"TV

 **76h** (13w)
Floor Lamp

 **25h** (40w)
Fan

 **16.5h** (55w)
Electrical Towels

 **1.8h** (500w)
Washing Machine

 **0.9h** (1000w)
Coffee Maker

 **55times** (18w)
Camera

 **11times** (85w)
Drone

 **90times** (10w)
Phone

 **17h** (55wh)
Air Mattress

 **16.5h** (60w)
Mini fridge



Figure 5.2: Estimated runtimes for common devices.

- **Wide Compatibility:** The solar panel supports various connectors (Anderson Plug, XT60, Aviation Connector) for broad compatibility with different power stations and 12V batteries.



Figure 5.3: The solar panel offers wide compatibility with various charging interfaces.

6. SAFETY & MAINTENANCE

The GRECELL T-1000 is built with safety in mind, featuring a Battery Management System (BMS) that protects against over-current, over-voltage, over-load, over-discharge, short-circuit, low-voltage, low-temperature, and high-temperature. It also includes quiet cooling fans to prevent overheating.

For optimal performance and longevity, keep the power station and solar panel clean and dry. Store them in a cool, dry place away from direct sunlight when not in use. Avoid exposing the unit to extreme temperatures or moisture.

7. SPECIFICATIONS

Feature	Specification
Brand	GRECELL

Model Name	T-1000
Wattage	1000 watts (2000W surge)
Power Source	Solar Powered
Item Weight	17 Pounds
Product Dimensions	9.2"L x 7.59"W x 11.84"H
Included Components	1*1000W Portable Power Station, 1*200W Solar Panel
Solar Panel Type	Monocrystalline (up to 23.5% efficiency)
Battery Type	Lithium Battery (999Wh)
AC Output	Pure Sine Wave

8. WARRANTY & SUPPORT

For warranty information and customer support, please refer to the official GRECELL website or contact the seller directly. Ensure you retain your proof of purchase for any warranty claims.

Seller: GRECELL-US

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

