

Takki SP89 83Wh Solar Generator

Takki SP89 83Wh Solar Generator User Manual

Model: SP89 83Wh Solar Generator (Part Number: TP89)
Brand: Takki

Introduction	Safety Information	Package Contents	Product Overview	Setup	Operating
Instructions	Maintenance	Troubleshooting	Specifications	Warranty & Support	

1. INTRODUCTION

Thank you for choosing the Takki SP89 83Wh Solar Generator. This portable power station, combined with its included 21W solar panel, is designed to provide reliable power for your electronic devices during outdoor activities, emergencies, or in off-grid situations. Its compact and lightweight design makes it an ideal companion for camping, hiking, and other adventures. Please read this manual thoroughly before using the product to ensure safe and optimal operation.

2. SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in fire, electric shock, injury, or damage to the product or property.

- Do not disassemble, repair, or modify the unit. Incorrect reassembly may cause fire or electric shock.
- Do not expose the unit to fire or extreme temperatures (above 60°C/140°F).
- Do not use or store the unit in high humidity environments or near water. Keep it dry.
- Do not use the unit if it is damaged or has been dropped.
- Keep out of reach of children and pets.
- Ensure proper ventilation during use and charging. Do not cover the unit.
- Use only original or certified charging cables and adapters.
- Avoid short-circuiting the output ports.
- When charging with solar panels outdoors, do not charge other devices simultaneously, as this may affect charging speed and interrupt charging.

3. PACKAGE CONTENTS

Please check that all items are present and in good condition upon opening the package:

- Takki SP89 83Wh Portable Power Station
- Takki 21W Foldable Solar Panel
- AC Wall Charger
- Car Charger Cable
- DC to DC Cable with 10 different size connectors
- User Manual

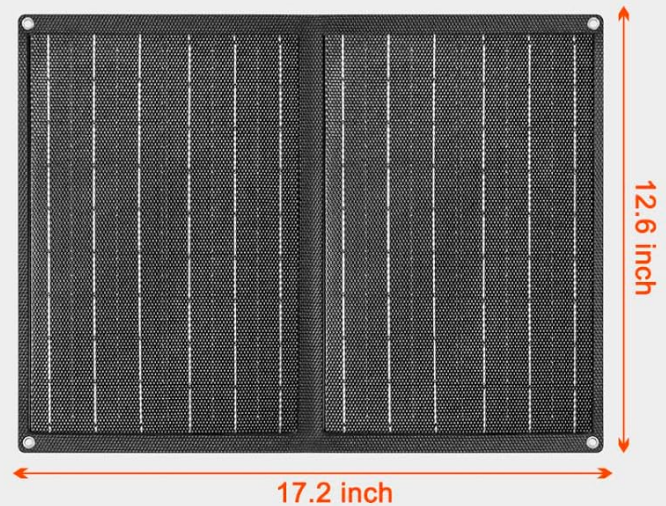


Image: Included accessories for the Takki Solar Generator, showing the foldable solar panel, various DC connectors, charging cables, and carabiners.

4. PRODUCT OVERVIEW

The Takki SP89 83Wh Solar Generator features multiple output ports and an integrated LED light for versatile power solutions.



Image: The Takki SP89 83Wh Portable Power Station shown alongside its 21W foldable solar panel.

4.1. Power Station Components

- **AC Outlets:** For powering small appliances (110V AC).
- **DC Output:** 12V DC port for compatible devices.
- **USB Ports:** Multiple USB-A and Type-C ports for charging mobile devices.
- **LED Flashlight:** Integrated light with multiple modes (Power Saving, Super Bright, SOS).
- **Input Port:** For charging the power station via AC adapter, car charger, or solar panel.
- **Display Screen:** Shows battery level and output status.

POWER STATION WITH PANEL



Image: A detailed view of the Takki power station's front panel, highlighting the AC outlets, USB ports, DC output, and input port.

4.2. 21W Foldable Solar Panel

The included 21W solar panel is designed for efficient solar charging of your power station. It features a high conversion efficiency of up to 23%.

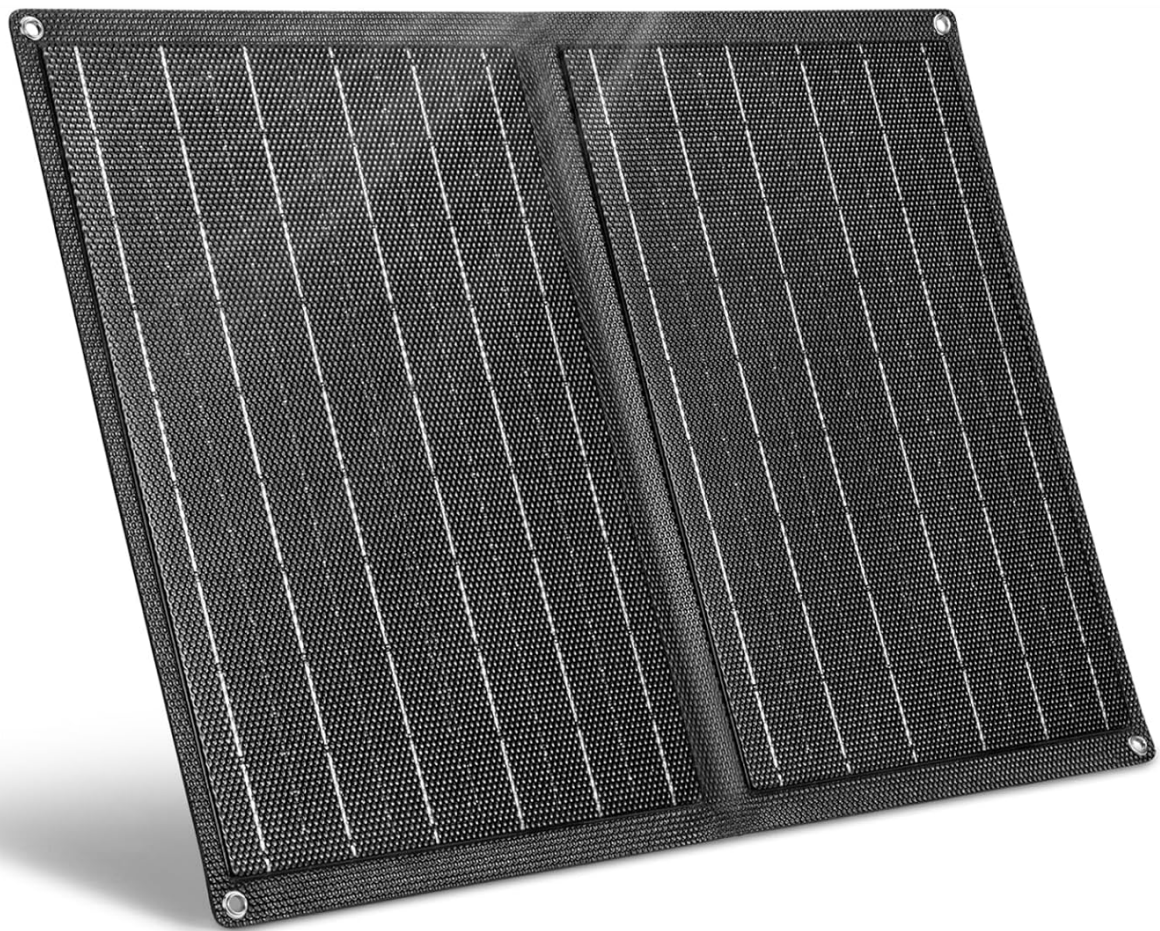


Image: The Takki 21W foldable solar panel laid flat, showcasing its design and portability.

5. SETUP

5.1. Initial Charging

Before first use, it is recommended to fully charge the Takki SP89 Power Station. This can be done via the included AC wall charger or car charger.

- **Using AC Wall Charger:** Connect the AC wall charger to the input port of the power station and plug it into a standard wall outlet. The display will indicate charging status. Full charge typically takes 4-5 hours.
- **Using Car Charger:** Connect the car charger cable to the input port of the power station and plug it into your vehicle's 12V cigarette lighter socket.



Power the power station or other devices separately

When solar panels are charging the power station outdoors, do not charge other devices at the same time, as this will affect the charging speed and may interrupt charging.

Image: The Takki portable power station connected to a wall outlet for charging, illustrating the ease of home charging.

5.2. Solar Charging Setup

For outdoor charging, unfold the 21W solar panel and connect it to the power station's input port using the provided DC cable and appropriate connector.

- Place the solar panel in direct sunlight for optimal charging efficiency.
- Adjust the angle of the solar panel to face the sun directly.
- Ensure the connection between the solar panel and the power station is secure.

SOLAR GENERATOR



Image: The Takki power station connected to the solar panel, positioned outdoors for solar charging, with a tent in the background.



Image: A Takki power station and solar panel set up in a grassy area near a tent, demonstrating its use in a camping environment.

6. OPERATING INSTRUCTIONS

6.1. Powering On/Off

To power on the unit, press and hold the main power button until the display illuminates. To power off, press and hold the button again until the display turns off.

6.2. Using AC Output

Press the AC power button to activate the AC outlets. Plug your device into the AC port. Ensure your device's power consumption does not exceed the power station's rated output.



Image: The Takki power station actively charging a laptop via its AC outlet and a smartphone via a USB port, demonstrating multi-device charging.

6.3. Using DC and USB Output

The DC and USB ports are typically active when the unit is powered on. Simply plug your devices into the appropriate ports. The power station will automatically detect and provide the necessary power.



Image: The Takki power station placed on a rock outdoors, charging a smartphone, highlighting its portability and outdoor utility.

6.4. Using the LED Flashlight

Press the dedicated flashlight button to cycle through the different lighting modes:

1. First press: Power Saving mode
2. Second press: Super Bright mode
3. Third press: SOS mode (flashing signal)
4. Fourth press: Turn off



Image: A man working on a laptop in a dimly lit room, illuminated by the bright LED light of the Takki power station, demonstrating its utility as a light source.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the surface of the power station and solar panel. Do not use abrasive cleaners or solvents.
- **Storage:** Store the unit in a cool, dry place away from direct sunlight and extreme temperatures. For long-term storage, charge the unit to about 50-80% every 3-6 months to preserve battery life.
- **Battery Care:** Avoid fully discharging the battery frequently, as this can reduce its lifespan.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not power on.	Battery is fully discharged.	Charge the unit using the AC wall charger or car charger.
Devices not charging from AC/DC/USB ports.	Output port not activated; device power consumption too high; cable issue.	Ensure the specific output (AC, DC) is turned on. Check device's power requirements. Try a different cable.
Solar panel not charging the power station effectively.	Insufficient sunlight; incorrect panel angle; dirty panel; faulty connection.	Move panel to direct sunlight. Adjust angle. Clean panel surface. Check cable connections. Avoid charging other devices simultaneously.
LED flashlight not working.	Unit is off; button not pressed correctly.	Ensure the power station is on. Press the flashlight button firmly.

9. SPECIFICATIONS

Feature	Detail
Model	SP89 83Wh Solar Generator (Part Number: TP89)
Battery Capacity	83.25Wh (equivalent to 22500mAh)

Feature	Detail
Battery Type	Lithium Ion
AC Output	110V AC
DC Output	12V DC
USB Ports	Multiple USB-A and Type-C
Solar Panel Power	21W (Included)
Solar Panel Conversion Efficiency	Up to 23%
Charging Methods	AC Adapter, Car Charger, Solar Panel
Dimensions (Power Station)	9.6 x 7.3 x 19.1 cm
Weight (Power Station)	780 g
Special Features	Portable, Lightweight, USB Port, LED Flashlight (4 modes + SOS)

10. WARRANTY & SUPPORT

For warranty information, technical support, or customer service inquiries, please refer to the official Takki website or contact their customer support directly. Keep your purchase receipt as proof of purchase for warranty claims. You can visit the Takki Store on Amazon for more information:[Takki Store](#)

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