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› Takki Solar Generator 250W Portable Power Station with 40W Solar Panels 222Wh Pure Sine Wave Camping Lithium Battery Power Bank with AC 110V Outlet for Camping Home Use Emergency Outdoor SOLAR GENERATOR S811M WITH 40W PANEL User Manual

Takki SP811M

Takki Solar Generator 250W Portable Power Station User Manual

Comprehensive guide for the Takki S811M Solar Generator and 40W Solar Panel, covering setup, operation, maintenance, and troubleshooting for optimal performance in outdoor, home, and emergency use.

INTRODUCTION

Thank you for choosing the Takki Solar Generator 250W Portable Power Station with 40W Solar Panels (Model S811M). This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new power station. Please read this manual thoroughly before use and retain it for future reference.

PRODUCT OVERVIEW

The Takki S811M is a versatile portable power solution designed for various applications, including camping, outdoor activities, home use, and emergency backup. It combines a 222Wh lithium battery power bank with a 40W foldable solar panel for convenient recharging.



Image: The Takki S811M Portable Power Station shown with its accompanying 40W foldable solar panel.

Key Features:

- **222Wh (60000mAh) Capacity:** Powers small appliances up to 250W.
- **40W Foldable Solar Panel:** High-efficiency (23% conversion rate) for outdoor charging.
- **Multiple Output Ports:**
 - 1x 110V Pure Sine Wave AC output socket (250W Rated / 450W Peak)
 - 2x QC 3.0 18W USB ports
 - 2x USB ports (5V 2.4A)
 - 1x 12V DC output
 - 1x 18W Type-C port
- **Multiple Charging Options:** Recharge via AC wall outlet, solar panel, or 12V car charger.
- **Integrated Lighting:** 2-level brightness light panel with SOS mode for emergencies.
- **Portable Design:** Lightweight (5.95lbs for power station, 1.87lbs for solar panel) with a compact handle.

COMPACT & PORTABLE

Portable solar generator combo set for outdoor/home use



Image: The compact dimensions and lightweight nature of the power station and foldable solar panel, demonstrating ease of transport.

- **Advanced Safety:** Battery Management System (BMS) for voltage and temperature control.

COMPONENTS INCLUDED

The following items are included in your package:

- Takki 222Wh Portable Power Station (S811M)
- Takki 40W Foldable Solar Panel
- AC Charger Adapter
- Cigarette Lighter Adapter
- DC-DC Cable
- 10-in-1 Connector
- User Manual (this document)

SETUP AND INITIAL CHARGING

Before first use, it is recommended to fully charge your power station.

Charging Methods:

1. AC Wall Outlet Charging:

Connect the included AC charger adapter to the DC input port on the power station and plug it into a standard wall outlet. The power station can charge from 0% to 80% in approximately 4 hours, and fully charge in 6-7 hours.



Image: The power station being recharged using the AC wall adapter.

2. Solar Panel Charging:

Unfold the 40W solar panel completely and place it in direct sunlight. Connect the solar panel to the DC input port of the power station using the appropriate cable. Charging to 80% typically takes 6-7 hours under optimal full sunlight conditions.



Image: The Takki Solar Generator and 40W solar panel set up for outdoor charging.

3. 12V Car Charger Charging:

Use the included 12V car charger to recharge the power station from your vehicle's cigarette lighter socket. Charging to 80% takes approximately 6-7 hours.

The battery indicator on the power station will show the charging progress.

OPERATING INSTRUCTIONS

Powering On/Off:

Press and hold the main power button to turn the unit on or off. The battery display will illuminate.



Image: Close-up of the control panel showing the AC outlet switch, battery display, and light switch.

Using Output Ports:

The power station features various output ports to accommodate different devices:

- **AC Outlets (110V Pure Sine Wave):** Press the AC outlet switch to activate the AC output. Plug in devices requiring up to 250W continuous power (450W peak). Ideal for laptops, small appliances, and CPAP machines.
- **USB Ports (QC 3.0 & Standard):** Connect your smartphones, tablets, cameras, drones, and other USB-powered devices.
- **Type-C Port:** For fast charging compatible USB-C devices.
- **12V DC Output:** Suitable for devices like mini car refrigerators or other 12V DC appliances.

250W/Peak 450W AC OUTLETS

8 Outputs support to Power Devices Simultaneously

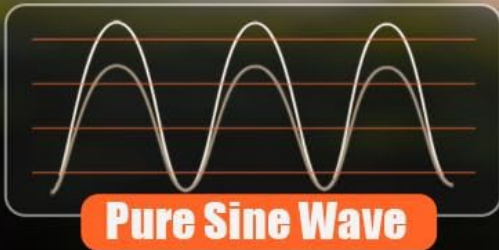


Image: The power station connected to a mini-fridge and a smartphone, demonstrating multiple output ports in use.

The exact duration of use for your devices will vary based on their power consumption. Refer to the product specifications for estimated runtimes.

222Wh POWER STATION

The power station provides *Pure Sine Wave* AC output



Notice: The exact duration of use is based on the power of your devices.



iPhone 14
17+ Charges



ipad(20W)
10+ Charges



Camera(20W)
12+ Charges



Drone(40W)
5+ Charges



Laptop(50W)
3+ Charges



LED Light(10W)
19+ Charges



CPAP(40W)
5+ Hours



Fan(40W)
5+ Hours



Mini Car Fridge(60W)
3+ Hours



TV(60W)
3 Hours

Image: A diagram illustrating estimated charge counts and runtimes for various devices like iPhones, iPads, cameras, drones, laptops, LED lights, CPAP, fans, mini car fridges, and TVs.

Using the Camping Light:

The power station includes a built-in light panel. Press the light switch to cycle through 2 brightness levels. Press again to activate SOS mode for emergencies. This feature is useful for camping, power outages, or as part of an emergency kit.



Image: The power station demonstrating its integrated light with three lighting modes and an SOS mode.

MAINTENANCE AND STORAGE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the power station and solar panel. Do not use abrasive cleaners or immerse the unit in water.
- **Storage:** Store the power station in a cool, dry place away from direct sunlight and extreme temperatures. For long-term storage, it is recommended to charge the unit to about 50-80% every 3-6 months to maintain battery health.
- **Battery Care:** The integrated Battery Management System (BMS) helps protect the battery. Avoid fully discharging the unit frequently to prolong battery lifespan.
- **Solar Panel Care:** Keep the solar panel surface clean from dust and debris to ensure maximum charging efficiency.

TROUBLESHOOTING

If you encounter issues with your Takki Solar Generator, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Power station not charging.	<p>Charging cable not properly connected.</p> <p>Charger or cable is faulty.</p> <p>Solar panel not in direct sunlight or dirty.</p> <p>Battery protection mode activated due to extreme temperature.</p>	<p>Ensure all connections are secure.</p> <p>Try a different charging cable or adapter if available.</p> <p>Relocate solar panel to direct sunlight and clean its surface.</p> <p>Move the unit to a moderate temperature environment.</p>
Devices not powering on/charging from output ports.	<p>Output port not activated (e.g., AC switch off).</p> <p>Device power consumption exceeds unit's output limit (250W).</p> <p>Power station battery is too low.</p> <p>Device cable is faulty.</p>	<p>Ensure the specific output switch (e.g., AC) is turned on.</p> <p>Check device wattage; do not connect devices exceeding 250W.</p> <p>Recharge the power station.</p> <p>Try a different cable for your device.</p>
Short runtime for devices, especially CPAP.	<p>High power consumption of the connected device.</p> <p>CPAP humidifier/heated hose in use.</p> <p>Battery not fully charged.</p>	<p>Verify device wattage.</p> <p>For CPAP, disable humidifier and heated hose to extend runtime.</p> <p>Ensure power station is fully charged before use.</p>

If the problem persists after trying these solutions, please contact Takki customer support for assistance.

TECHNICAL SPECIFICATIONS

Feature	Detail
Brand	Takki
Model Number	SP811M
Battery Capacity	222 Watt-hours (60000mAh, 3.7V)
AC Output	110 Volts (AC), 250 Watts (Running), 450 Watts (Peak)
USB Output	2x QC 3.0 18W, 2x 5V 2.4A
Type-C Output	1x 18W
DC Output	1x 12V
Total Power Outlets	8
Solar Panel Wattage	40 Watts
Power Source	Solar/AC
Fuel Type	Electric
Item Weight (Power Station)	5.94 pounds (2.7 Kilograms)
Item Weight (Solar Panel)	1.87 pounds
Product Dimensions (Power Station)	8.11"L x 4.33"W x 5.93"H
Product Dimensions (Folded Panel)	8.11"L x 10.7"W
Product Dimensions (Unfolded Panel)	32.87"L x 10.7"W
Battery Cell Type	Lithium Ion
Special Features	Portable, Foldable Handle, Super Quiet, Lightweight, USB Port, Integrated Light

SAFETY INFORMATION

Please observe the following safety precautions to prevent injury or damage to the unit:

- Do not disassemble, repair, or modify the unit.
- Do not expose the unit to fire, high temperatures, or direct sunlight for prolonged periods.
- Do not use or store the unit in a bathroom or in areas exposed to water or moisture.
- Do not drop, strike, or subject the unit to strong impacts.
- Keep out of reach of children and pets.
- Ensure proper ventilation during use and charging to prevent overheating.
- Do not connect devices that exceed the rated output power of the unit.
- Dispose of the unit and its battery responsibly according to local regulations.

WARRANTY AND CUSTOMER SUPPORT

Takki products are designed for reliability and performance. For warranty information or technical support, please refer to the warranty card included with your product or visit the official Takki brand store on Amazon:

Visit the Takki Store on Amazon

Our customer service team is available to assist you with any questions or concerns regarding your Takki Solar Generator.