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Raddy SP4

Raddy SP4 4W Portable Solar Panel Instruction Manual

Model: SP4

Brand: Raddy

PRODUCT OVERVIEW

The Raddy SP4 4W Portable Solar Panel is designed to provide efficient and reliable power for your devices in outdoor and emergency situations. Its compact, foldable design makes it highly portable, ensuring you have access to solar energy whenever needed.

- **Efficient Solar Power:** Harness 4W of green energy with the SP4 portable solar panel, delivering a maximum output of 5V 0.8A for reliable charging.
- **Compact and Foldable:** The versatile solar panel easily folds and is lightweight, making it a breeze to take along. When folded, it is a compact 3.9"x6.7"x0.7", at just 4.2oz. It also has four holes for hanging on your bag, ensuring easy solar power access.
- **Versatile Compatibility:** This emergency kit includes a 3-in-1 charging cable (micro USB, type-c, and lightning connectors), allowing you to charge a variety of devices such as mobile phones, emergency radios (e.g., SW10 SH-905 SW5 SL10), two-way radios, and portable shortwave radios. SP4 is an ideal expansion for your charging requirements.
- **Essential Overlanding Companion:** The SP4 is an ideal addition to your overlanding kit, ensuring a continuous power supply during outdoor adventures. Whether camping or facing unforeseen emergencies, the SP4 is a reliable companion to keep devices powered.



The Raddy SP4 portable solar panel in its compact, folded state, highlighting its small size and portability.

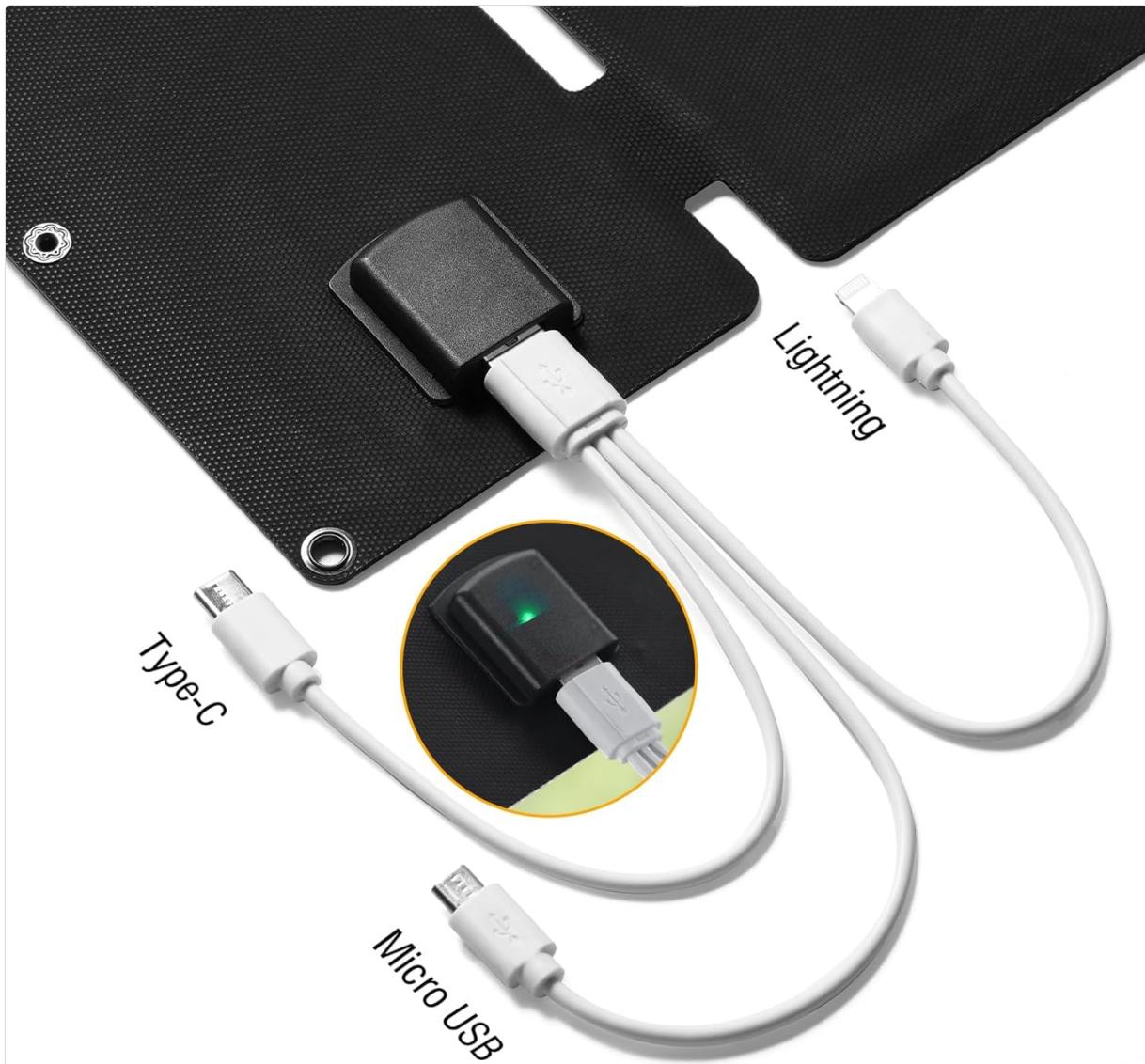
PACKAGE CONTENTS

- 1 x SP4 Solar Panel
- 1 x 3-in-1 USB Charging Cable

SETUP

Initial Setup

1. Unfold the Raddy SP4 solar panel to expose the solar cells.
2. Connect the integrated USB charging cable to the USB port on the solar panel.
3. Position the solar panel in direct sunlight for optimal charging performance.
4. Connect your device (e.g., mobile phone, emergency radio) to the appropriate connector on the 3-in-1 USB charging cable.



A close-up view of the Raddy SP4 solar panel's USB port with the 3-in-1 charging cable connected, showing the micro USB, Type-C, and Lightning connectors.

OPERATING INSTRUCTIONS

Optimal Sunlight Exposure

For maximum charging efficiency, ensure the Raddy SP4 solar panel is positioned directly facing the sun. The panel converts sunlight into electrical energy, and direct exposure maximizes power output.

Charging Devices

Once connected and exposed to sunlight, the solar panel will begin charging your device. A small indicator light on the panel's USB output may illuminate to confirm power generation.

Charging Rate

The Raddy SP4 delivers a maximum output of 5V 0.8A (4W). Charging times will vary depending on sunlight intensity, device battery capacity, and the device's current power consumption. This panel is designed for trickle charging and maintaining power, rather than rapid charging.

Universal Compatibility



The Raddy SP4 solar panel shown connected to and charging various compatible devices, including a mobile phone, power bank, emergency radio, and shortwave radio.



A person hiking with the Raddy SP4 solar panel attached to their backpack, demonstrating its portability and ability to charge on the go.

A video demonstrating the charging capability of a 5V 6W solar panel, showing it connected to a smartphone and indicating charging status.

A short video clip demonstrating the ease of use of a solar panel by simply placing it in direct sunlight to initiate charging.

MAINTENANCE

Care and Storage

- **Cleaning:** Regularly wipe the solar panel surface with a soft, damp cloth to remove dust and debris, ensuring optimal sunlight absorption. Avoid abrasive cleaners.
- **Storage:** When not in use, fold the solar panel and store it in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** While durable, avoid dropping the panel or subjecting it to excessive force to prevent damage to the solar cells.

TROUBLESHOOTING

Device Not Charging

- **Direct Sunlight:** Ensure the solar panel is in direct, unobstructed sunlight. Shading, even partial, can significantly reduce efficiency.
- **Cable Connection:** Verify that the USB cable is securely connected to both the solar panel and your device.
- **Device Compatibility:** Confirm your device is compatible with 5V 0.8A (4W) charging.
- **No Internal Battery:** The Raddy SP4 does not have an internal battery to store power. It generates power only when exposed to sunlight. Charging will cease when sunlight is removed.

Low Charging Rate

- **Sunlight Intensity:** Charging efficiency is directly related to sunlight intensity. Overcast conditions or indirect light will result in slower charging.
- **Panel Angle:** Adjust the angle of the panel to be perpendicular to the sun's rays for maximum output.
- **Device Power Requirements:** Some devices require higher power input than the SP4 can provide for fast charging. The SP4 is best suited for maintaining charge or slow charging.

An instructional video explaining how solar cells generate power and the importance of a battery for storing energy, demonstrating the difference between direct solar power and battery-stored solar power for running a motor.

A video demonstrating a home project involving powering a motor with a solar cell, illustrating how solar panels convert light into electrical energy.

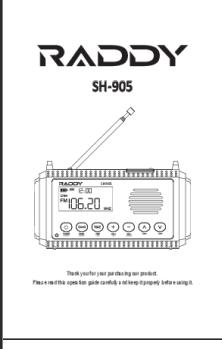
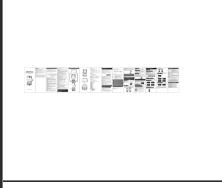
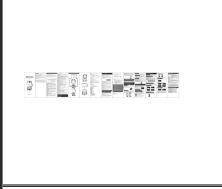
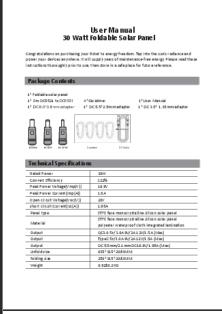
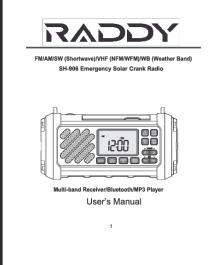
SPECIFICATIONS

Brand	Raddy
Model	SP4
Maximum Power	4 Watts
Maximum Voltage	5 Volts
AC Adapter Current	0.8 Amps
Product Dimensions (Folded)	3.9" L x 6.7" W x 0.7" H (100x170x17mm)
Product Dimensions (Unfolded)	7.9" L x 6.7" W x 0.4" H (200x170x10mm)
Item Weight	4.2 Ounces (120g)
Material	Aluminum, Polycrystalline Silicon, Tempered Glass
Special Feature	Portable
Upper Temperature Rating	55 Degrees Celsius
Included Components	SP4 Solar Panel, 3-in-1 USB Charging Cable

WARRANTY AND SUPPORT

For warranty details and customer support, please refer to the official Raddy website or contact your retailer. Keep your proof of purchase for any warranty claims.

Related Documents - SP4

	<p><u>Raddy SH-905 Emergency All-Band Radio User Manual</u></p> <p>Comprehensive user manual for the Raddy SH-905 emergency all-band radio, detailing its features, functions, operation, charging, and technical specifications. Learn how to use the radio for AM, FM, SW, and WX bands, its SOS alarm, flashlight, and power bank capabilities.</p>
	<p><u>Raddy SL10 Multifunctional Camping Lantern User Manual</u></p> <p>Comprehensive user manual for the Raddy SL10 multifunctional device, detailing its features as a camping lantern, weather radio (AM/FM/WB/NOAA), Bluetooth speaker, and power bank. Includes safety guidelines, operational instructions, charging methods, and technical specifications.</p>
	<p><u>Raddy SH-908 Full-Band Emergency & Disaster Radio User Manual</u></p> <p>User manual for the Raddy SH-908 full-band emergency and disaster radio. Details features like multi-band reception (FM, AM, SW, WX), 10000mAh battery, solar/hand-crank charging, SOS alarm, flashlight, and technical specifications.</p>
	<p><u>Raddy SL10 Multifunctional Camping Lantern & Emergency Radio User Manual</u></p> <p>Comprehensive user manual for the Raddy SL10 Multifunctional Camping Lantern and Emergency Radio. Learn how to use its flashlight, camping lantern, SOS alarm, Bluetooth speaker, AM/FM/WB/NOAA radio, and various charging methods.</p>
	<p><u>Raddy SP30 30 Watt Foldable Solar Panel User Manual</u></p> <p>User manual for the Raddy SP30 30 Watt Foldable Solar Panel, covering setup, technical specifications, and FAQs.</p>
	<p><u>RADDY SH-906 Emergency Solar Crank Radio User Manual</u></p> <p>Comprehensive user manual for the RADDY SH-906 Emergency Solar Crank Radio. Learn about its features including FM/AM/SW/VHF/WB reception, Bluetooth, MP3 playback, solar and dynamo charging, LED torch, and SOS functions.</p>