CHOETECH ELECHOSC009

CHOETECH SC009 100W Foldable Solar Charger User Manual

Model: SC009 | Brand: CHOETECH

INTRODUCTION

This user manual provides detailed instructions for the safe and efficient operation of your CHOETECH SC009 100W Foldable Solar Charger. Please read this manual thoroughly before using the product and retain it for future reference. The CHOETECH SC009-V2 is a versatile and efficient solar charger designed for various electronic devices, including laptops, smartphones, Bluetooth speakers, and power stations. With a maximum power output of 100W and multiple output ports (2 x USB, 1 x USB-C, and DC), it offers flexible charging solutions for outdoor and off-grid use.

PRODUCT OVERVIEW

The CHOETECH SC009 solar charger features a foldable design for portability and integrated kickstands for optimal sun exposure. It is constructed from durable, splash-proof materials (IPX4 rated) to withstand various environmental conditions.

Image: The CHOETECH SC009 100W Foldable Solar Charger fully unfolded, showcasing its four solar panels and integrated control unit.
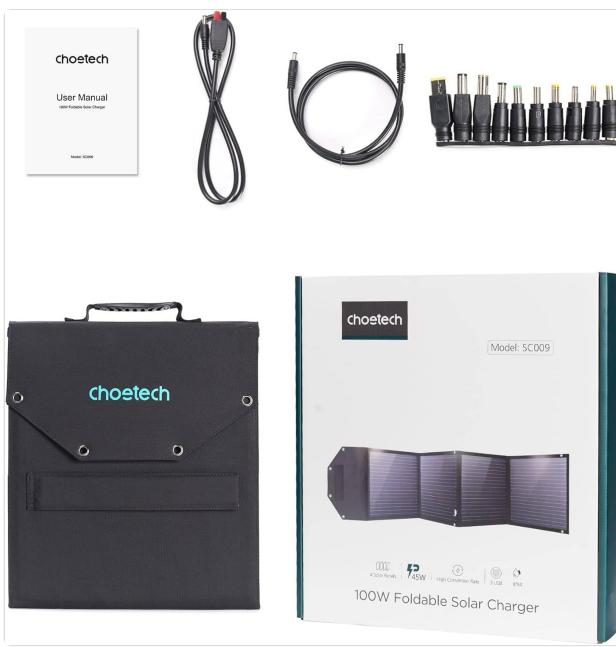
Image: Contents of the CHOETECH SC009 package, including the solar charger, user manual, various DC connectors, and charging cables.

Key Features:

- **High Efficiency:** Up to 20% solar conversion efficiency.
- **Multiple Outputs:** 2 x USB-A, 1 x USB-C, and DC output for broad compatibility.
- **Portable Design:** Foldable with integrated kickstands for easy setup and transport.
- **Durable Construction:** IPX4 water resistance for outdoor use.
- **Smart Charging:** Can charge up to four devices simultaneously.

SETUP

1. **Unfold the Solar Charger:** Carefully unfold the solar panels until they are fully extended. Ensure no panels are overlapping.

Image: The solar charger fully unfolded, ready for deployment.

2. **Position for Optimal Sun Exposure:** Locate a spot with direct sunlight. Deploy the integrated kickstands on the back of the solar panels. Adjust the angle of the panels to approximately 45 degrees towards the sun for maximum efficiency. This angle helps achieve the stated 20% conversion rate.

Image: The solar charger with its integrated kickstands extended, demonstrating the optimal angle for sun exposure.

3. **Access the Output Ports:** The converter with the output ports (USB-A, USB-C, DC) is located in a special pocket on one end of the solar charger. Open this pocket to access the ports.

OPERATING INSTRUCTIONS

Once the solar charger is set up and exposed to direct sunlight, it will begin generating power. You can connect your devices to the available output ports.

Connecting Devices:

- **USB-A Ports:** Use standard USB cables to connect smartphones, tablets, power banks, and other USB-powered devices.
- **USB-C Port:** Use a USB-C to USB-C cable to connect compatible laptops, modern smartphones, and other USB-C powered devices.
- **DC Output:** Use the provided DC cable and various DC connectors to charge laptops, portable power stations, and other devices requiring a DC input. Ensure the correct connector size and voltage compatibility for your device.

Image: The CHOETECH SC009 solar charger connected to a portable power station in an outdoor setting, demonstrating its practical application.

Charging Multiple Devices:

The solar charger can charge up to four devices simultaneously, provided the total power draw does not exceed the charger's 100W capacity. The charging speed may vary depending on the intensity of sunlight and the number of devices connected.

Solar Conversion Efficiency:

The charger utilizes Grade A Monocrystalline Cells and a Frosted PET layer to achieve high solar conversion rates. For best performance, ensure the panels are clean and positioned directly facing the sun.
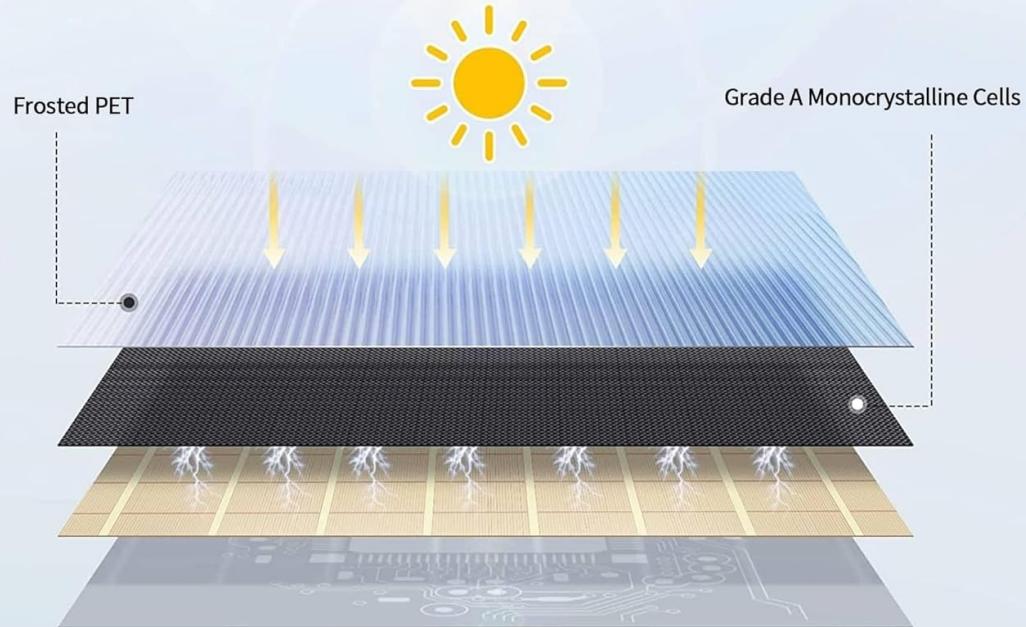
Image: Diagram illustrating the layers of the solar panel, including Frosted PET and Grade A Monocrystalline Cells, contributing to a high solar conversion rate.

MAINTENANCE

- **Cleaning:** Regularly wipe the solar panels with a soft, damp cloth to remove dust, dirt, or debris. Avoid using abrasive cleaners or harsh chemicals that could damage the panel surface.
- **Storage:** When not in use, fold the solar charger and store it in a cool, dry place away from direct sunlight and extreme temperatures.
- **Inspection:** Periodically inspect the cables and connectors for any signs of wear or damage. Do not use the charger if any components are damaged.
- **Water Resistance:** The charger has an IPX4 water resistance rating, meaning it is protected against splashing water from any direction. While it can withstand light rain, avoid submerging it in water or exposing it to heavy downpours for extended periods.

Durable and Splash-proof
IPX4 Waterproof
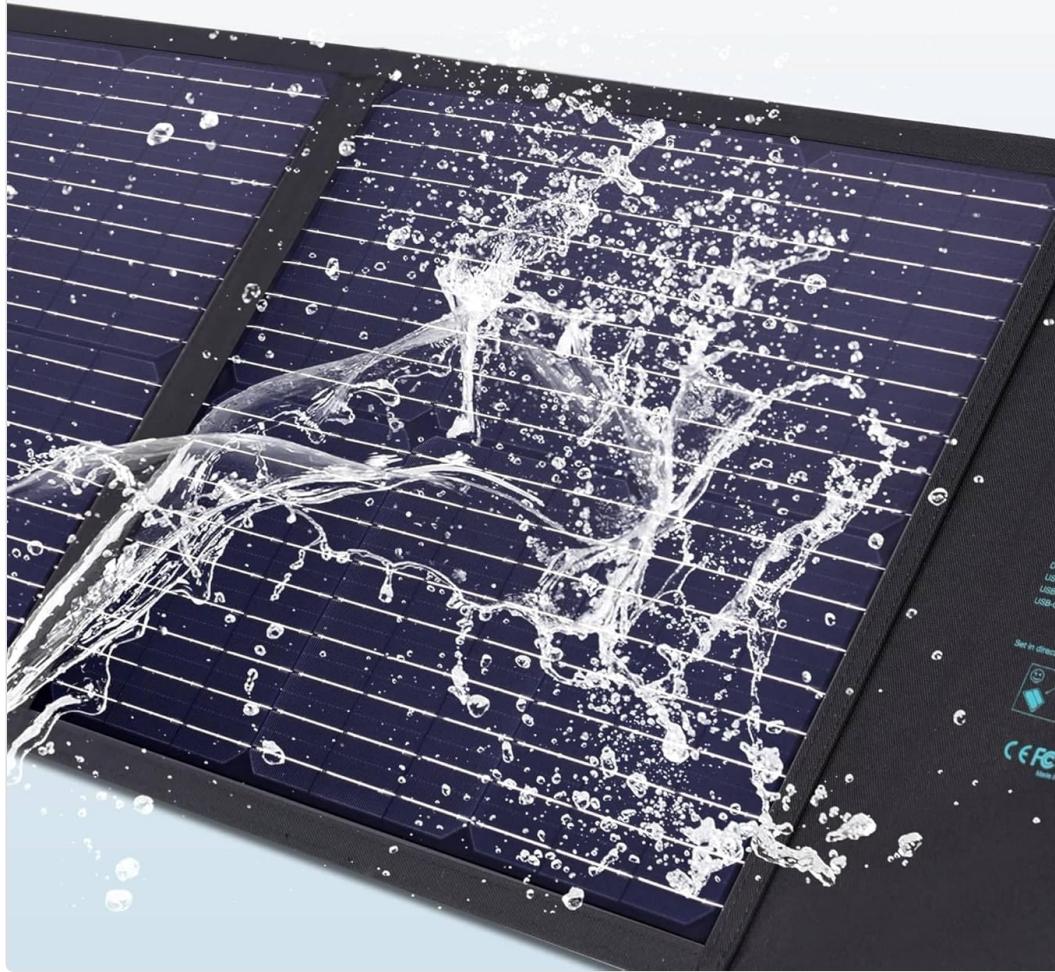
Image: Water splashing on the solar panel surface, demonstrating its IPX4 splash-proof capability.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No power output	Insufficient sunlight; panels not angled correctly; dirty panels; damaged cable/port.	Ensure direct sunlight. Adjust panel angle to 45 degrees. Clean panels. Check cable connections and try different ports.
Slow charging	Partial shading; low sun intensity; multiple devices connected; device's charging input limit.	Relocate to full sun. Reduce number of connected devices. Check device's charging specifications.
Device not recognized	Incompatible cable; faulty device; port issue.	Try a different cable. Test with another device. Try a different port on the charger.

SPECIFICATIONS

Attribute	Detail
Model Number	ELECHOSC009

Attribute	Detail
Brand	CHOETECH
Wattage	100 watts
Power Source	Solar Powered
Connector Type	USB, USB-C, DC
Compatible Devices	Laptops, Cellular Phones, Speakers, Power Stations
Water Resistance Level	IPX4
Conversion Efficiency	Up to 20%
Foldable Size	43.5 x 37.7 x 6 cm (approx.)
Unfoldable Size	193.5 x 37.7 x 3 cm (approx.)
Item Weight	1 kg (1000 Grams)

Foldable & Portable
Store and carry with ease
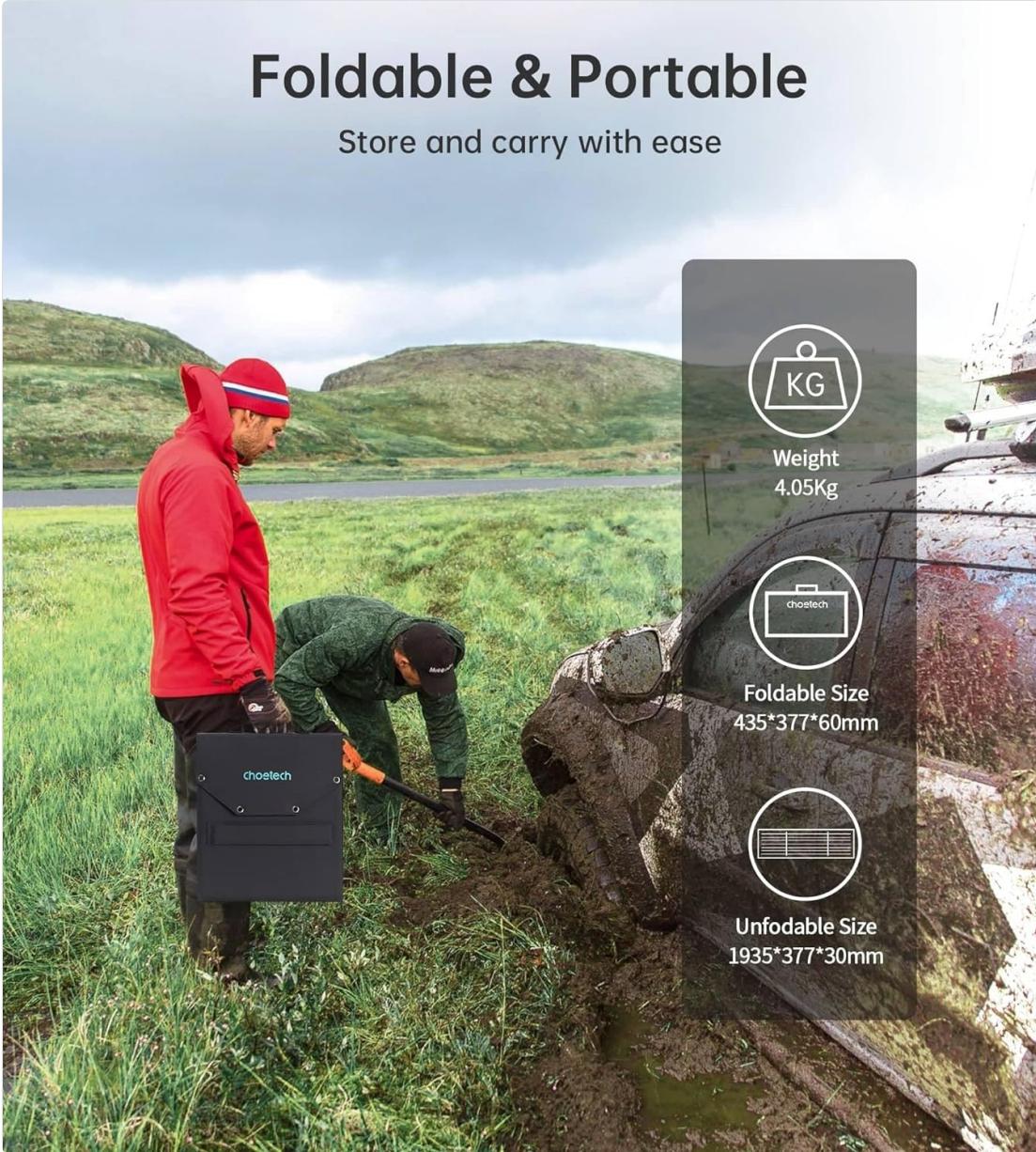
Weight
4.05Kg

Foldable Size
435*377*60mm

Unfodable Size
1935*377*30mm

Image: Visual representation of the folded and unfolded dimensions, highlighting the portability and compact storage of the solar charger.

WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the official CHOETECH website or contact the retailer from whom you purchased the product. Keep your proof of purchase for any warranty claims.
For common inquiries, you may also visit the CHOETECH Store on Amazon.

Related Documents - ELECHOSC009

choetech SC008 User Manual · Uživatelský manuál · Uživateľský manuál · Használati utasítás · Benutzerhandbuch	[Choetech SC008 120W Foldable Solar Charger User Manual](#) User manual for the Choetech SC008 120W Foldable Solar Charger. Learn about package contents, specifications, how to use, and safety precautions for this portable solar charging solution.
choetech AT004 User Manual · Uživatelský manuál · Uživateľský manuál · Használati utasítás · Benutzerhandbuch	[Choetech AT004 Magnetic Phone Car Mount User Manual](#) User manual and installation guide for the Choetech AT004 magnetic phone car mount. Learn how to install and use the mount with your iPhone 12 and MagSafe compatible devices.
choetech B664 User Manual · Uživatelský manuál · Uživateľský manuál · Használati utasítás · Benutzerhandbuch	[Choetech B664 50000mAh Power Bank User Manual](#) Comprehensive user manual for the Choetech B664 50000mAh Power Bank, detailing specifications, product diagram, charging instructions, and safety precautions.
choetech T319 User Manual · Uživatelský manuál · Uživateľský manuál · Használati utasítás · Benutzerhandbuch	[Choetech T319 Wireless Charger User Manual](#) User manual for the Choetech T319 wireless charger, providing instructions, parameters, and safety precautions for charging Apple Watch devices.

[Choetech PD100W Dual USB-C Fast Charger User Manual](#)
User manual for the Choetech PD100W Dual USB-C Fast Charger (Model: PD6008), providing specifications, usage instructions, and safety precautions.

[Choetech B697 CL](#)
Choetech B697 CL