

ELECOM MPA-NEST-S014OV

ELECOM NESTOUT 28W 4-Panel Portable Solar Charger User Manual

Model: MPA-NEST-S014OV

INTRODUCTION

The ELECOM NESTOUT 28W 4-Panel Portable Solar Charger is designed to provide reliable power for your electronic devices in outdoor environments. Featuring high-efficiency SunPower MAXEON cells and dual USB-A output ports, this foldable and water-resistant solar panel is ideal for camping, hiking, and emergency preparedness. Its robust construction and adjustable stands ensure optimal solar energy capture and durability.

PRODUCT FEATURES

- **High Efficiency Solar Cells:** Utilizes SunPower MAXEON cells for up to 24% conversion efficiency.
- **Dual USB-A Ports:** Equipped with two USB-A ports to charge multiple devices simultaneously.
- **Built-in Current Checker:** An LED display shows the current solar power generation.
- **Adjustable Stands:** Two integrated adjustable stands allow for optimal angling towards the sun.
- **Durable Water-Resistant Design:** Constructed from ripstop nylon for resilience against outdoor elements.
- **Integrated Storage Pouch:** Features mesh pouches for storing cables and small accessories.
- **Exterior Hooks:** Three loops for convenient hanging on tents, trees, or backpacks.

PACKAGE CONTENTS

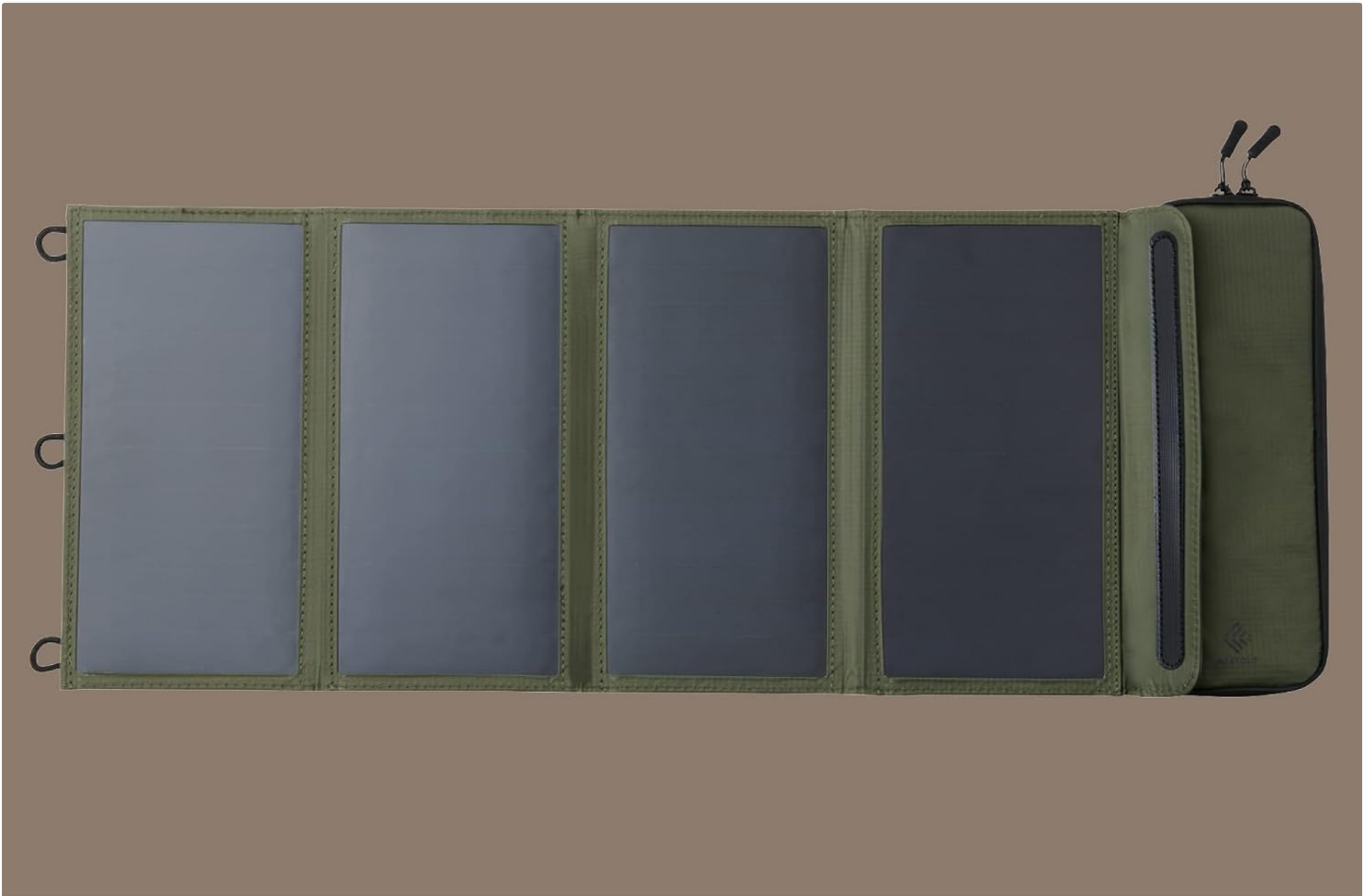
- ELECOM NESTOUT 28W 4-Panel Portable Solar Charger
- USB Cable
- Product Manual

SETUP

Follow these steps to set up your solar charger for optimal performance:

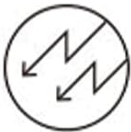
1. **Unfold the Solar Panel:** Carefully unfold the 4-panel solar charger completely.

2. **Position for Sunlight:** Place the unfolded solar panel in direct sunlight. Ensure no shadows are cast on the panels.



28w※1 / **5v4.8A**※2

COLOR: OLIVE **MAX OUTPUT**



HIGH CONVERSION SOLAR PANEL



HIGH ANGLE STAND

The solar panel fully unfolded, exposing all four high-efficiency solar cells to sunlight.

3. **Adjust Stands:** Utilize the two built-in adjustable stands on the back of the panel to angle it directly towards the sun. This maximizes solar energy absorption.



STORAGE POUCH & ELASTIC STRAPS

securely strap phones or NESTOUT battery and store cables

The solar panel with its adjustable stands extended, allowing for precise positioning to capture maximum sunlight.

4. **Secure if Needed:** If windy, use the exterior hooks to secure the panel to a backpack, tent, or other stable object.

OPERATING INSTRUCTIONS

Once the solar panel is set up and exposed to sunlight, you can begin charging your devices.

1. **Connect Devices:** Open the zippered pouch on the side of the solar panel. Locate the two USB-A output ports. Connect your device's charging cable to one or both of these ports.



CHARGE 2 DEVICES SIMULTANEOUSLY

2x USB-A ports with a maximum output of 2.1A

A close-up view of the two USB-A output ports, ready for device connection.

2. **Monitor Charging:** The built-in current checker LED display will show the real-time power generation. A higher number indicates more efficient charging.



BUILT-IN CURRENT CHECKER

lets you see the energy being collected

The LED display showing the current output, allowing users to monitor charging efficiency.

3. **Store Devices:** Place the devices being charged, along with any excess cables, into the mesh storage pouches within the zippered compartment. This protects them from direct sunlight and environmental factors.



ADJUSTABLE STAND

find the perfect angle with built-in adjustable stands

The internal storage pouch, designed to securely hold power banks, phones, and cables during charging.

Demonstration Video

Your browser does not support the video tag.

This video demonstrates the features of the NESTOUT Outdoor Battery, Lighting Accessories, and Solar Charger, including its use in an outdoor setting.

MAINTENANCE

Proper care ensures the longevity and performance of your solar charger.

- **Cleaning:** Wipe the solar panels and ripstop nylon fabric with a soft, damp cloth. Avoid abrasive cleaners or harsh chemicals.
- **Storage:** When not in use, fold the solar panel and store it in a cool, dry place away from direct sunlight and extreme temperatures.
- **Inspection:** Periodically check cables and ports for any signs of wear or damage.

TROUBLESHOOTING

If you encounter issues with your solar charger, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device not charging or charging slowly.	Insufficient sunlight, panel not angled correctly, dirty panels, faulty cable, or device drawing too much power.	Ensure direct, unobstructed sunlight. Adjust panel angle using stands. Clean panel surfaces. Try a different USB cable. Check device power requirements.
Current checker LED shows '0.0' or very low output.	No sunlight, heavy cloud cover, or panel obstruction.	Relocate the panel to an area with direct sunlight. Wait for clearer weather conditions. Remove any obstructions.
Panel feels hot during operation.	Normal operation under direct sunlight.	This is normal. Ensure adequate ventilation around the panel. Avoid covering the panel while in use.

SPECIFICATIONS

Feature	Detail
Brand	ELECOM
Model Number	MPA-NEST-S014OV
Maximum Power	28 Watts
Maximum Voltage	28 Volts
Amperage Capacity	4.8 A
Output Voltage	5 Volts
Connector Type	USB Type A (x2)
Efficiency	High Efficiency (up to 24% with SunPower MAXEON cells)
Material	Silicone, Aluminum, Tempered Glass, Ethylene Tetrafluoroethylene, Ripstop Nylon
Item Weight	771 g
Product Dimensions (Unfolded)	11"L x 2.4"W x 6.1"H (Note: This dimension seems to be for folded or a component, actual unfolded dimensions are larger based on 4-panel design)
Folded Size	30 cm (l) x 20 cm (w) x 5 cm (h)
Special Features	Charging Indicator, Lightweight Design, Short Circuit Protection, Water Resistant

WARRANTY AND SUPPORT

This ELECOM NESTOUT Portable Solar Charger comes with a **1-Year Manufacturer Warranty**. For technical support, warranty claims, or further assistance, please contact ELECOM customer service through their official

website or the retailer where the product was purchased. Please have your model number (MPA-NEST-S014OV) and proof of purchase available.

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