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HOMCOM 84F-007V00GY

HOMCOM 36W Foldable Solar Charger Panel User Manual

Model: 84F-007V00GY

1. Introduction

This manual provides instructions for the safe and efficient use of your HOMCOM 36W Foldable Solar Charger Panel. Please read this manual thoroughly before operating the device and retain it for future reference.
The HOMCOM 36W Foldable Solar Charger Panel is a portable power solution designed for outdoor use, capable of charging various electronic devices via USB-A and USB-C ports. Its durable, IP67 waterproof design with an ETFE surface makes it suitable for camping, hiking, and other outdoor activities, even under challenging weather conditions.

2. Safety Instructions

- Do not attempt to disassemble or modify the solar panel.
- Avoid exposing the panel to extreme temperatures or open flames.
- Ensure all connections are secure before use.
- Keep the panel clean and free from obstructions to maximize efficiency.
- Although IP67 waterproof, avoid prolonged submersion in water.
- Keep out of reach of children.
- The panel incorporates overcurrent, overvoltage, and short-circuit protections for device safety.

3. Package Contents

Verify that all items are present in the package:

- 1 x Portable Solar Panel
- 1 x USB-C to USB-A Adapter
- Mosquetones (Carabiners)
- 1 x Carry Bag



Image showing the HOMCOM solar charger panel and its included accessories, such as the USB-C to USB-A adapter, carabiners, and carry bag.

4. Setup

1. **Unfold the Solar Panel:** Carefully unfold the solar panel sections. Ensure they are fully extended and facing the sun.
2. **Positioning:** Place the solar panel in direct sunlight. For optimal charging, angle the panel directly towards the sun. Avoid shaded areas.
3. **Securing the Panel:** Use the included carabiners to secure the panel to a backpack, tent, or other stable surface if needed, especially in windy conditions. The foldable design allows for easy transport and setup.



The HOMCOM solar panel unfolded and positioned to charge a smartphone and other devices while outdoors, demonstrating its portability and ease of setup.



A man walking with the HOMCOM solar panel attached to his backpack using carabiners, illustrating how it can be used on the go for charging.

5. Operating Instructions

5.1 Connecting Devices

1. **Identify Ports:** The solar panel features both USB-A and USB-C output ports located in the orange junction box.
2. **Connect Cable:** Plug your device's charging cable into the appropriate port (USB-A or USB-C) on the solar panel. If your device requires a USB-A connection and you only have a USB-C cable, use the provided USB-C to USB-A adapter.
3. **Start Charging:** Once connected and exposed to sufficient sunlight, the panel will begin charging your device. The LED indicator on the junction box will illuminate to show charging status. The panel supports fast charging protocols including PD 2.0/3.0, QC 2.0/3.0, FCP, AFC, and BC 1.2.



A man connecting a tablet to the HOMCOM solar charger panel, highlighting the USB-C and USB-A compatibility and the included adapter.

5.2 Optimal Charging Conditions

- Direct sunlight is crucial for maximum efficiency.
- Avoid shadows from trees, buildings, or other objects.
- The panel operates efficiently between -10 °C and 60 °C.
- The panel has a high conversion efficiency of 24.6%, ensuring fast and stable charging.



A visual representation illustrating the 24.6% high conversion efficiency of the HOMCOM solar panel under sunlight.

6. Maintenance

- **Cleaning:** Wipe the solar panel surface with a soft, damp cloth to remove dust or dirt. Do not use harsh chemicals or abrasive materials. The ETFE surface is scratch-resistant and easy to clean.
- **Storage:** When not in use, fold the solar panel and store it in the provided carry bag in a cool, dry place away from direct sunlight. The panel folds down to a compact 27.9x20 cm.
- **Inspection:** Periodically check the panel and cables for any signs of damage.



Close-up of the HOMCOM solar panel's ETFE surface, demonstrating its IP67 waterproof and scratch-resistant properties, ideal for outdoor durability.



A man folding the HOMCOM solar panel and placing it into a carry bag, illustrating its compact and portable design for easy transport and storage.

7. Troubleshooting

Problem	Possible Cause	Solution
Device not charging	Insufficient sunlight Incorrect cable connection Damaged cable or port	Reposition panel in direct sunlight Ensure cable is securely connected Try a different cable or port
Slow charging speed	Partial shading Low sun intensity Device drawing high power	Move panel to a fully unshaded area Wait for stronger sunlight Charge one device at a time if possible
LED indicator not lit	No power output Panel not receiving sunlight	Ensure panel is unfolded and in direct sunlight Check connections

8. Specifications

Model Number	84F-007V00GY
Power Output	36W
Input Voltage	13.2 Volts
Output Current	3 Amperes
USB Ports	1 x USB-A, 1 x USB-C (Total 2)
USB-C Output	5V/3A, 9V/3A, 12V/2.5A (PD 2.0/3.0, QC 2.0/3.0, FCP, AFC, BC 1.2 compatible)
Waterproof Rating	IP67
Material	ETFE Surface, Plastic, Silicone
Dimensions (Unfolded)	89.8 x 27.9 x 1 cm
Dimensions (Folded)	27.9 x 20 cm
Weight	870 g
Operating Temperature	-10 °C to 60 °C
Conversion Efficiency	24.6%
Certifications	CE, REACH, RoHS



Diagram illustrating the folded dimensions (27.9 cm x 20 cm) and unfolded dimensions (89.8 cm x 20 cm) of the HOMCOM solar panel.

9. Warranty and Support

This product comes with a **3-year warranty** from the date of purchase. Please retain your proof of purchase for warranty claims. For technical support, warranty inquiries, or replacement parts, please contact HOMCOM customer service through your retailer or visit the official HOMCOM website.

Manufacturer: SPANISH AOSOM

ASIN: B0G4L4V8Z7

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