

ETAKER US-S200

ETAKER 200W Portable Solar Panel Instruction Manual

Model: US-S200

1. INTRODUCTION

Thank you for choosing the ETAKER 200W Portable Solar Panel. This high-efficiency, foldable solar charger is designed to provide reliable and green energy for various outdoor activities, RVs, and home backup needs. Its robust and portable design ensures power generation in diverse environments.



Image 1.1: The ETAKER 200W Portable Solar Panel in its unfolded state.

2. SAFETY INSTRUCTIONS

- Do not attempt to modify or disassemble the solar panel.
- Avoid exposing the solar panel to fire or extreme heat.
- Keep the solar panel away from sharp objects to prevent damage to the surface.
- Ensure the panel is placed on a stable surface to prevent it from falling.
- Operate within the recommended temperature range of -20°C to 80°C.
- Do not immerse the product in water, despite its IP65 rating, to ensure longevity.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- ETAKER 200W Portable Solar Panel with Stands and Carry Case x1
- MC-4 Connect Cable x1

4. SETUP

1. **Unfold the Solar Panel:** Carefully unclip and unfold the solar panel completely.
2. **Position the Stands:** Extend the integrated stands on the back of the panel to support it.
3. **Adjust the Angle:** Position the solar panel to face the sun directly for optimal energy absorption. Adjust the angle of the stands to maximize sunlight exposure.



Image 4.1: Adjusting the integrated stand to achieve the best angle towards the sun.



Image 4.2: The portable design of the solar panel, showing its compact folded dimensions and handle.

5. OPERATING INSTRUCTIONS

1. **Connect to a Power Station:** Use the provided MC-4 Connect Cable to link your solar panel to a compatible portable power station. Ensure connections are secure.
2. **Charge Devices:** Once connected to a power station, you can charge various devices such as RV batteries, home appliances (via the power station), or other electronic gadgets.
3. **Monitor Performance:** Observe the charging status on your power station's display. The actual power output may vary based on sunlight intensity, temperature, panel angle, and usage conditions.

COMPATIBLE WITH ETAKER PORTABLE POWER STATIONS



Image 5.1: The solar panel connected to an ETAKER portable power station, ready for use.



Image 5.2: The solar panel deployed in different settings, highlighting its versatility for various scenarios.

6. MAINTENANCE

- **Cleaning:** Regularly wipe the solar panel surface with a soft, damp cloth to remove dust, dirt, or debris. A clean surface ensures maximum sunlight absorption.
- **Storage:** When not in use, fold the solar panel and store it in its carry case in a dry, cool place away from direct sunlight and extreme temperatures.
- **Inspection:** Periodically inspect the panel for any signs of damage, such as scratches or micro-cracks, which can affect performance.

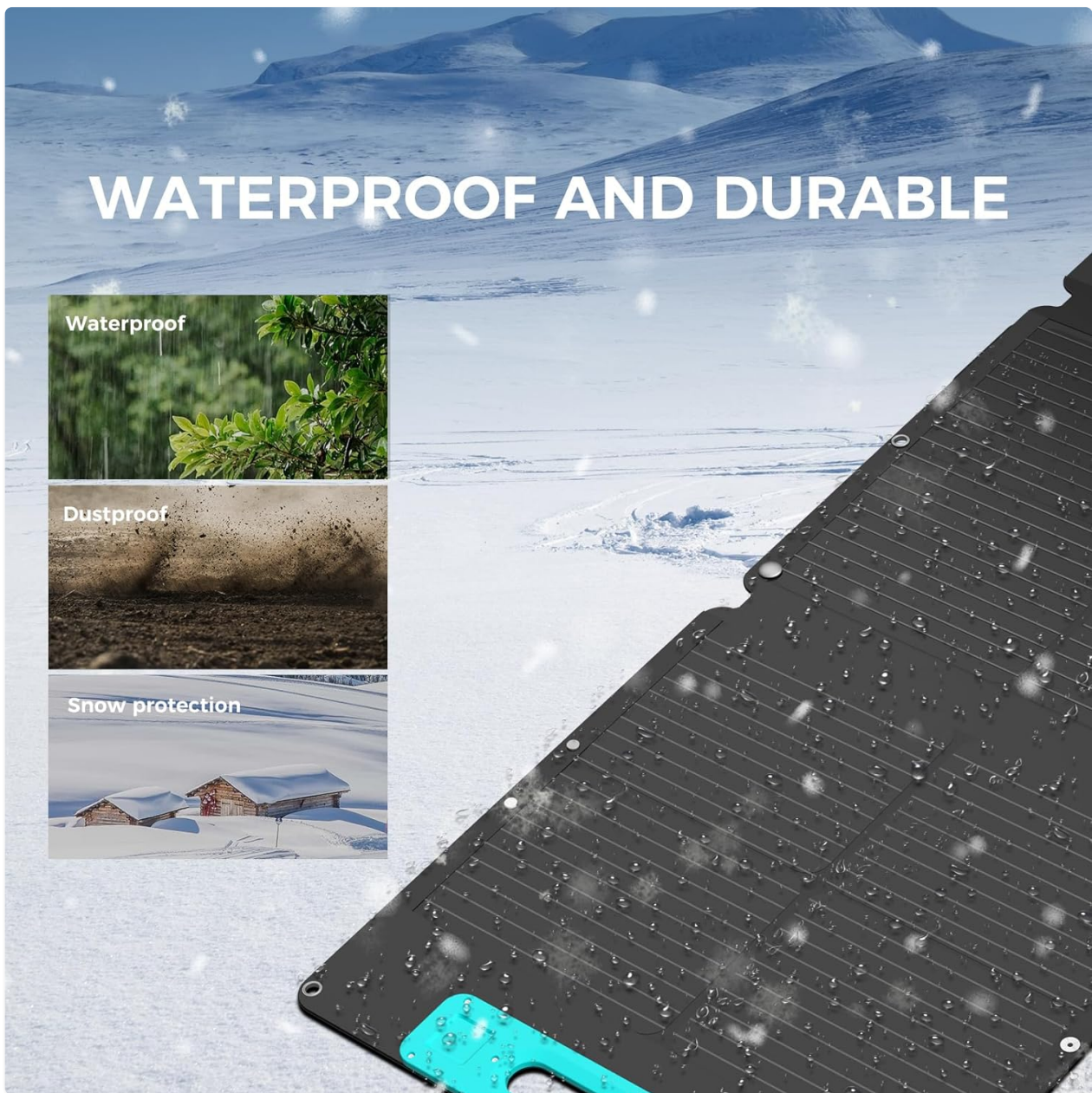


Image 6.1: The IP65-rated waterproof and durable design of the solar panel, capable of withstanding various weather conditions.

7. TROUBLESHOOTING

Low Power Output

If you experience lower than expected power output, consider the following factors:

- **Sunlight Intensity:** The rated power is measured under Standard Test Conditions (1000 W/m², AM 1.5 spectrum, 25°C). Real-world conditions, such as cloudy weather, early mornings, or evenings, will result in lower output.
- **Temperature:** Higher temperatures can reduce panel efficiency. The optimal working range is around 20°C to 25°C.
- **Shading:** Even partial shading on the panel can significantly reduce the overall power output. Ensure the panel is free from any obstructions.
- **Panel Angle and Orientation:** Ensure the panel is facing the sun directly and tilted at an optimal angle for maximum energy absorption.
- **Damage or Aging:** Long-term usage may lead to scratches or micro-cracks, which can degrade

performance. Avoid contact with sharp objects.

- **Internal Losses:** The displayed charging power on your power station is the net input power, which already accounts for internal losses (e.g., cable loss, conversion loss within the power station).

8. SPECIFICATIONS


Specification	Detail
Brand	ETAKER
Model Number	US-S200
Power Output	200W
Efficiency	25% Conversion Rate
Material	Aluminum, Monocrystalline Silicon, Tempered Glass
Product Open Size	87.4 x 24 x 1.06 inches
Product Folded Size	23.5 x 24 x 1.65 inches
Item Weight	13.5 lbs
Waterproof Rating	IP65
Color	Black
Included Components	Solar Panel with Stands and Carry Case x1, MC-4 Connect Cable x1




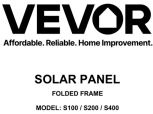
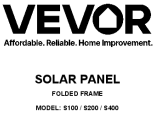
9. WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your ETAKER 200W Portable Solar Panel, please refer to the official ETAKER website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

You can visit the [ETAKER Store on Amazon](#) for more information.

Related Documents - US-S200

 SOLAR PANEL FOLDED FRAME MODEL: S100 / S200 / S400	<p>VEVOR Foldable Solar Panel S100/S200/S400 User Manual and Specifications</p> <p>Comprehensive guide for VEVOR foldable solar panels (Models S100, S200, S400), covering setup, operation, safety precautions, technical specifications, and troubleshooting. Learn how to maximize efficiency and care for your solar panel.</p>
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	<p>DOOGEE S200 SAR Test Report Summary</p> <p>This document summarizes the Specific Absorption Rate (SAR) test results for the DOOGEE S200 smart phone, conducted by BTF Testing Lab (Shenzhen) Co., Ltd. according to FCC and IEEE standards.</p>
	<p>VEVOR Foldable Solar Panel User Manual - Models S30, S60, S100, S200, S400</p> <p>Comprehensive user manual for VEVOR foldable solar panels (Models S30, S60, S100, S200, S400). Includes setup, operation, safety warnings, product specifications, and manufacturer information.</p>
	<p>VEVOR Foldable Solar Panel User Manual & Specifications</p> <p>Comprehensive user manual and technical specifications for VEVOR foldable solar panels, including models S30, S60, S100, S200, and S400. Learn about setup, operation, safety, and product parameters.</p>
	<p>VEVOR Foldable Solar Panel S100, S200, S400 User Manual and Specifications</p> <p>Comprehensive guide for VEVOR foldable solar panels (Models S100, S200, S400). Includes setup, operation, safety warnings, technical specifications, and maintenance.</p>
	<p>VEVOR Foldable Solar Panel S100/S200/S400: User Manual and Specifications</p> <p>User manual and technical specifications for VEVOR foldable solar panels (models S100, S200, S400). Covers operation, safety, precautions, and detailed product parameters for efficient solar charging.</p>