

Manuals.plus /
› NURZVIY /
› NURZVIY SolarEpoch 200 Watt Portable Foldable Solar Panel Instruction Manual

NURZVIY SolarEpoch 200

NURZVIY SolarEpoch 200 Watt Portable Foldable Solar Panel Instruction Manual

Model: SolarEpoch 200

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient use of your NURZVIY SolarEpoch 200 Watt Portable Foldable Solar Panel. Please read this manual thoroughly before operating the product and retain it for future reference. This solar panel is designed to provide portable power for various outdoor and emergency applications.



Figure 1: NURZVIY SolarEpoch 200 Watt Portable Foldable Solar Panel

2. KEY FEATURES

- **Extensive Power Station Compatibility:** Equipped with a 4-in-1 cable (DC7909, XT60, aviation, and Anderson connectors) for broad compatibility with various power stations.
- **High-Conversion Efficiency:** Utilizes monocrystalline silicon cells with a solar energy conversion rate of 23%-24% for rapid power generation.
- **Lightweight and Portable Design:** Folds to 23.8 x 21.3 x 1.4 inches and features a sturdy carry handle for easy transport.
- **Durable & Waterproof Build:** Constructed with advanced ETFE laminated technology and robust 840D Oxford cloth, offering IP67 waterproof protection against rain, moisture, and scratches.
- **Flexible Mounting Options:** Multiple grommets allow for secure mounting on RVs, tents, or other surfaces.
- **Built-in Storage for Convenience:** Integrated cable bag with waterproof zippers provides secure storage for cables and small accessories.
- **Powerful Energy Expansion:** Supports connecting two or four 200-watt solar panels in series or parallel using IP68 solar connectors for increased output.

- **Optimized Energy Capture:** Unfolds to 93.3 x 21.3 inches with adjustable kickstands for optimal sunlight exposure.
- **Versatile Outdoor Usage:** Ideal for RV trips, camping, picnics, and as an emergency backup power source.
- **Safety Certified and Reliable:** Compliant with FCC, CE, PSE, and RoHS certifications.

3. WHAT'S IN THE BOX

Verify that all components are present upon unboxing:

- NURZVIY SolarEpoch 200 Solar Panel
- 3-in-1 Connection Cable (DC7909, XT60, Anderson connectors)
- User Manual

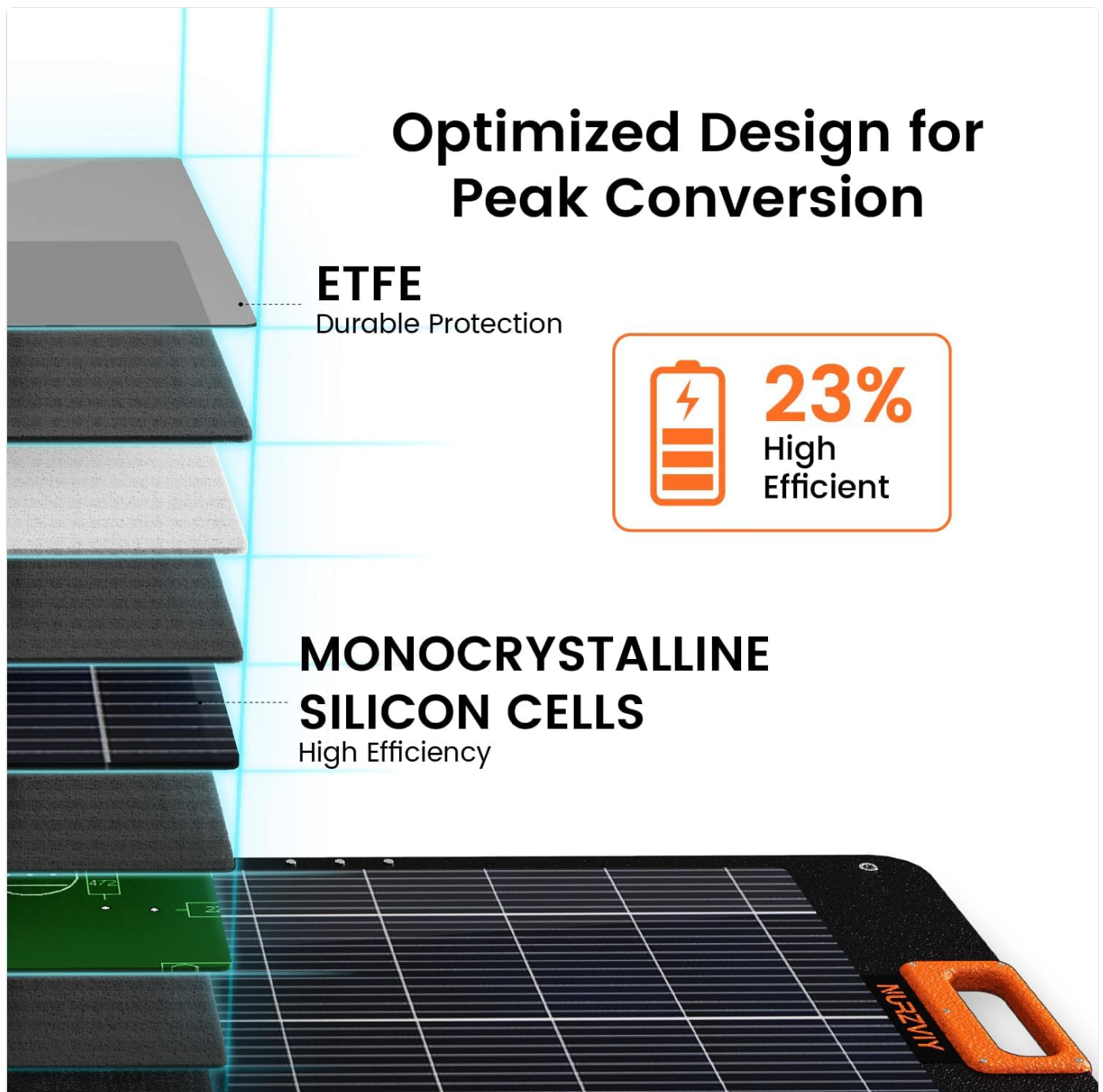


Figure 2: Solar Panel and Included Accessories

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Video 1: Unboxing the NURZVIY 200W Solar Panel. This video demonstrates the contents of the package and the initial appearance of the folded solar panel.

4. SETUP

4.1 Unfolding the Solar Panel

1. Place the folded solar panel on a flat, stable surface.
2. Carefully unfold the panel sections until it is fully extended.
3. Extend the adjustable kickstands located on the back of the panel. Adjust them to achieve an optimal angle towards the sun for maximum energy capture.



IP67 waterproof,
all weather allowed



One-piece Lamination
for maximum durability

Figure 3: Solar Panel Unfolded and Positioned

4.2 Connecting to a Power Station

1. Locate the IP68 solar connectors cable behind the solar panel.
2. Use the provided 3-in-1 cable to convert the IP68 solar connectors to the appropriate connector type (XT60, Anderson, or DC7909) for your power station.
3. Connect the charging cable to the corresponding input port on your power station.
4. Ensure your power station allows for more than 200W PV input.



EFFORTLESS INSTALLATION

Perfect for RVs, Camping,
and Anywhere Adventure Takes You

Figure 4: Connecting to a Power Station

4.3 Connecting to an RV Battery

1. Connect the solar panel to a solar charge controller (not included). You can choose wiring or an XT60 connector, depending on your controller.
2. Connect the solar charge controller to the RV battery. An alligator clip may be needed (not included).

3. Use the controller to monitor system performance.

Note: The solar panel is only recommended to charge the RV when it's parked and is not allowed to be used during driving. The controller and alligator clips are not included.

WHAT'S IN THE BOX?



Figure 5: Connecting to an RV Battery

Your browser does not support the video tag.

Video 2: This video provides a brief overview of the solar panel's portability and ease of setup for outdoor power needs.

5. OPERATING INSTRUCTIONS

5.1 Optimal Panel Positioning

For maximum efficiency, position the solar panel directly facing the sun. Utilize the adjustable kickstands to angle the panel appropriately throughout the day as the sun's position changes. Avoid any shading on the panel surface, as even

partial shading can significantly reduce power output.

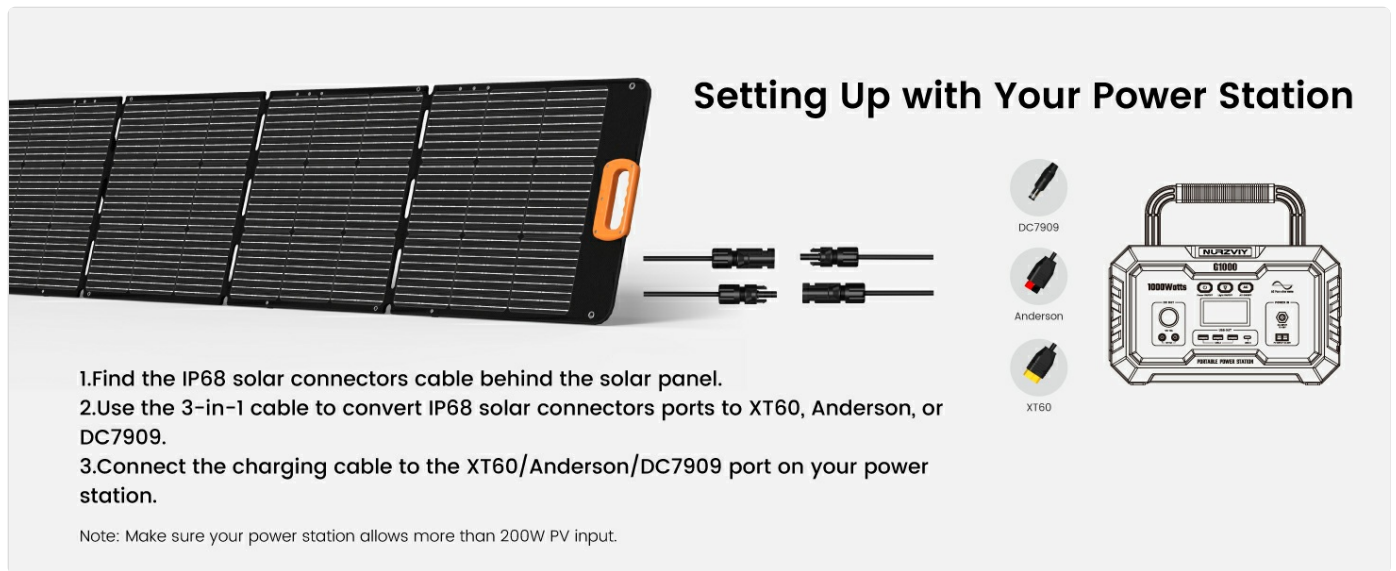


Figure 6: Adjusting Panel Angle for Optimal Sunlight

5.2 Monitoring Charging

Monitor the charging status and power output through your connected power station's display or a compatible solar charge controller's interface. This allows you to verify proper operation and adjust the panel's position if needed.

6. MAINTENANCE

6.1 Cleaning the Solar Panel

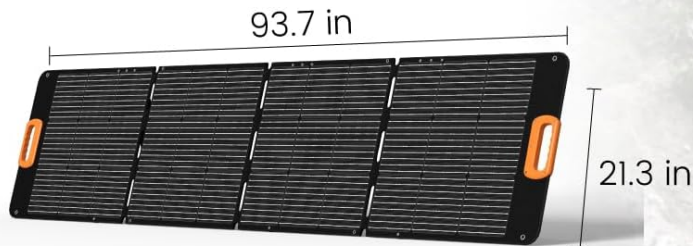
Regularly clean the surface of the solar panel to ensure optimal performance. Use a soft, damp cloth to wipe away dust, dirt, and debris. Avoid abrasive cleaners or harsh chemicals that could damage the ETFE lamination.

6.2 Storage

When not in use, fold the solar panel and secure it using the integrated straps. Store it in a cool, dry place away from direct sunlight and extreme temperatures. The durable construction and IP67 rating provide protection against environmental elements, but proper storage extends product lifespan.

EASY CARRYING

Foldable | Portable



 18 lbs



Figure 7: Waterproof Design

7. TROUBLESHOOTING

7.1 Low Power Output

- **Check Panel Angle:** Ensure the panel is angled directly towards the sun. Adjust kickstands for optimal exposure.
- **Inspect for Shading:** Verify that no objects (trees, buildings, etc.) are casting shadows on the panel surface.
- **Clean Panel Surface:** Remove any dirt, dust, or debris from the solar cells.
- **Verify Connections:** Ensure all cables are securely connected to the solar panel and the power station/charge controller.

7.2 No Charging

- **Confirm Sunlight:** The panel requires direct sunlight to generate power. Overcast conditions will significantly reduce or prevent charging.
- **Check All Connections:** Disconnect and reconnect all cables to ensure a proper connection.
- **Power Station Input Limits:** Confirm that your power station's input specifications are compatible with the solar panel's output.
- **Cable Integrity:** Inspect cables for any visible damage or kinks.

8. SPECIFICATIONS

Feature	Specification
Brand	NURZVIY
Model	SolarEpoch 200
Peak Power	200 Watts
Solar Cell Lamination	ETFE
Material	Monocrystalline Silicon
Efficiency	23%-24%
Power Voltage (Vmp)	19.59 Volts
Power Current (Imp)	10.21 Amps
Open Circuit Voltage (Voc)	23.5 Volts
Short Circuit Current (Isc)	10.8 Amps
Folded Dimensions	23.8"L x 21.3"W x 1.4"H
Unfolded Dimensions	93.3"L x 21.3"W
Item Weight	18.5 Pounds
Waterproof Rating	IP67
Operating Temperature	-4°F to 149°F (-20°C to 65°C)
Included Connectors	IP68 solar connectors (to Anderson/XT60/DC7909)
Certifications	FCC, CE, PSE, RoHS

9. WARRANTY & SUPPORT

The NURZVIY SolarEpoch 200 Watt Portable Foldable Solar Panel is backed by a 2-year warranty, ensuring peace of mind regarding product quality and performance. NURZVIY is committed to providing excellent customer service, offering 24/7 customer support and lifetime after-sales service. Should you have any questions or require assistance, please feel free to contact us.

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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