

ELECAENTA Uranus-200-US

ELECAENTA 200W Portable Solar Panel User Manual

Model: Uranus-200-US

Brand: ELECAENTA

1. INTRODUCTION

This manual provides instructions for the safe and efficient use of your ELECAENTA 200W Portable Solar Panel. This device is designed to convert sunlight into electrical energy, providing a portable power source for various compatible devices and power stations. Please read this manual thoroughly before operating the product and retain it for future reference.



Image: The ELECAENTA 200W Portable Solar Panel shown unfolded with its integrated kickstands and various connection cables.

2. PRODUCT FEATURES

- Ultra-Light & Flexible Design:** Weighing approximately 11 lbs, this solar panel is designed for portability. Its flexible construction, utilizing TCPC technology, enhances durability and resistance to bending.
- High Conversion Rate:** Constructed with monocrystalline silicon, the panel achieves a conversion efficiency of up to 25%, optimizing power generation from sunlight.
- Durable & IP54 Water-Resistant:** Features a 5-layer laminate material for durability and an IP54 water-resistant rating for the charging box and cables, suitable for outdoor use.
- High Compatibility:** Equipped with an XT60 output port and includes a 3m XT60 cable, XT60 to Solar Connector Cable, and XT60 to Anderson/8020 cable, ensuring compatibility with a wide range of portable power stations.
- Integrated Kickstands:** Features four adjustable kickstands to position the panel at an optimal angle towards the sun for maximum efficiency.

11 lbs ONLY, ULTRALIGHT

34%+ Lighter Than Other 200W Solar Panels
Ultra Light and More Portable

-34%

Only 11 lbs



**5th generation, upgraded version in 2025*

Image: Side profile of the folded solar panel, illustrating its lightweight and compact nature.

UNIQUE TCPC TECHNOLOGY

Increased Tensile Strength, Stronger Thermal Shrinkage
Stronger Resistance to Physical Breakdown



**Using exclusive TCPC technology*

Image: A person gently bending the solar panel, showcasing its flexible design and TCPC technology.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1 x ELECAENTA 200W Portable Solar Panel
- 1 x 3m XT60 Cable

- 1 x XT60 to Anderson/8020 Cable
- 1 x XT60 to Solar Connector Cable
- 4 x Carabiner Clips

WHAT'S IN THE BOX

1* 200W Portable Solar Panel, 1* 3m XT60 Cable, 1* XT60 to MC4 Cable

1* XT60 to Anderson/ 8020 Cable, 4* Carabiner Clips, 1* User Manual

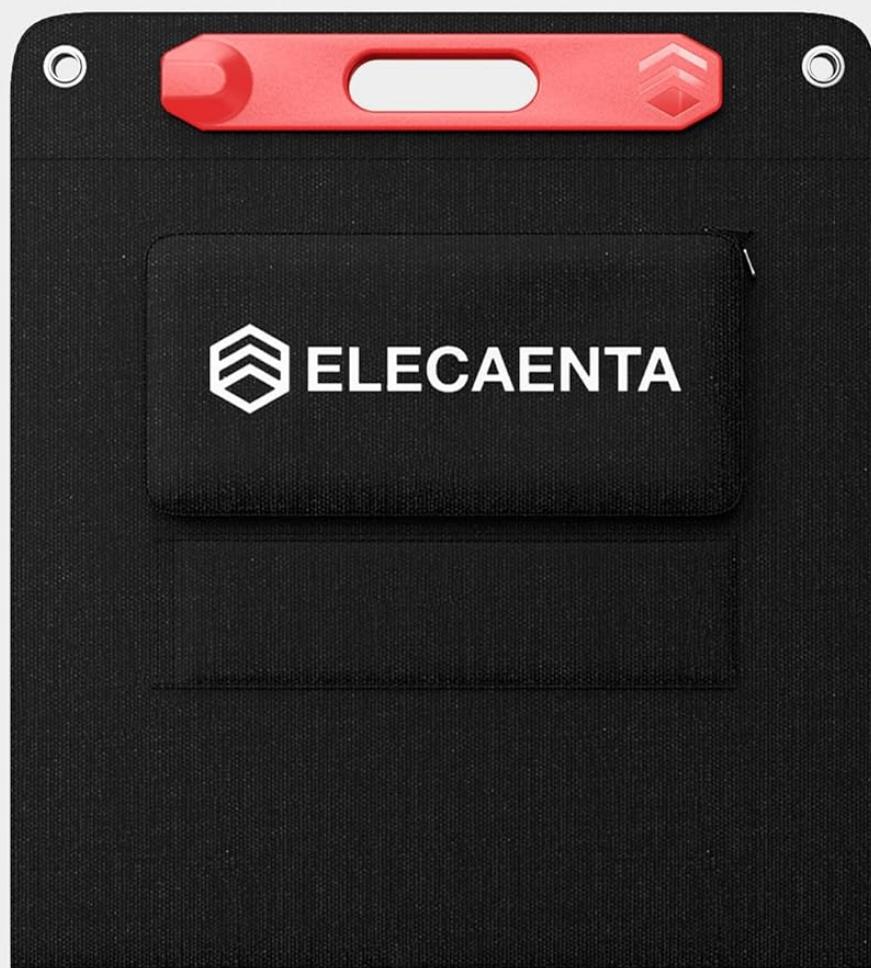


Image: The folded solar panel with its accessory pouch, alongside the included cables and carabiner clips.

4. SETUP GUIDE

4.1 Unfolding the Solar Panel

1. Place the folded solar panel on a flat surface.
2. Carefully unfold the panel sections until it is fully extended.

4.2 Positioning for Optimal Sunlight

1. Locate an area with direct, unobstructed sunlight.
2. Extend the integrated kickstands on the back of the panel.
3. Adjust the kickstands to angle the panel directly towards the sun. An angle of approximately 45-90 degrees relative to the ground is often optimal, depending on the sun's position.
4. For windy conditions, use the carabiner clips and grommets to secure the panel to a stable object.

WITH 4 KICKSTANDS

Adjustable Kickstands Support to Get the Best Angle Towards the Sun



**5th Gen upgraded kickstands, more durable, stable and stronger*

Image: The solar panel deployed on a sandy beach, demonstrating the use of its adjustable kickstands to achieve an optimal angle for sun exposure.

4.3 Connecting to a Power Station or Device

1. Identify the appropriate cable for your power station or device (XT60, Anderson/8020, or Solar Connector).
2. Connect one end of the chosen cable to the XT60 output port on the solar panel (located in the accessory pouch).
3. Connect the other end of the cable to the input port of your compatible power station or device.
4. Ensure all connections are secure.



Image: The solar panel deployed on sand, connected to a portable power station, ready for charging.

5. OPERATING INSTRUCTIONS

Once the solar panel is set up and connected, it will begin generating power immediately when exposed to sufficient sunlight. The charging indicator on your power station or device will typically show that it is receiving power.

- **Monitoring Charge:** Regularly check the charging status on your connected power station or device.
- **Repositioning:** For prolonged charging sessions, periodically adjust the panel's angle to follow the sun's movement across the sky to maximize power output.
- **Direct Charging:** The panel can also directly charge small USB-compatible devices if it has integrated USB ports (check your specific model for availability).



Image: The solar panel laid flat on a wooden table, directly charging a smartphone, demonstrating its versatility.

6. MAINTENANCE

6.1 Cleaning

- Ensure the solar panel is disconnected from all devices before cleaning.
- Wipe the solar panel surface with a soft, damp cloth to remove dust, dirt, or debris.
- Avoid using harsh chemicals, abrasive cleaners, or sharp objects that could scratch the panel surface.
- Keep the connection ports clean and free of moisture.

6.2 Storage

- Fold the solar panel neatly and secure it using any integrated fasteners.
- Store the panel in a dry, cool place, away from direct sunlight and extreme temperatures.
- Avoid placing heavy objects on top of the folded panel.

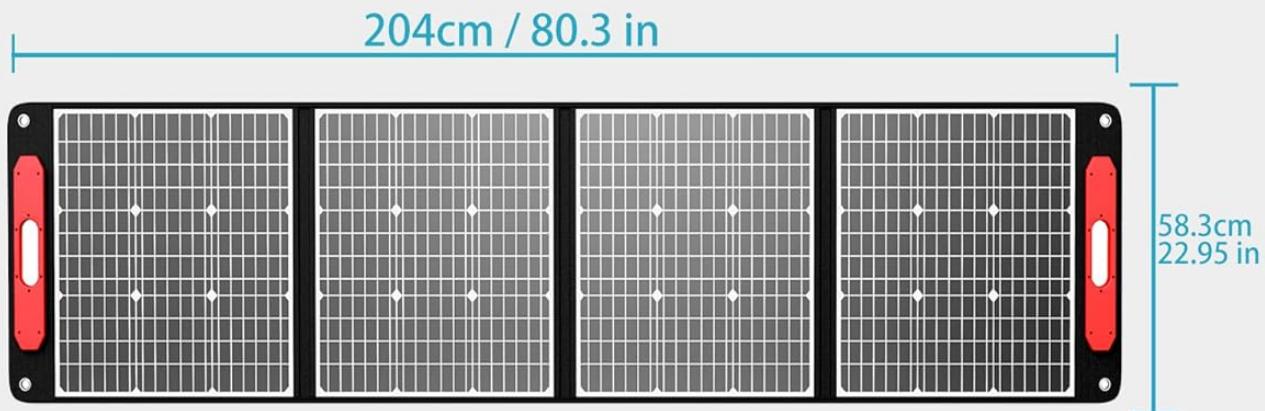
7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power output / Low power output	<ul style="list-style-type: none">• Insufficient sunlight• Panel not angled correctly• Shading on the panel• Loose or incorrect cable connection• Panel surface is dirty• Connected device is not compatible or faulty	<ul style="list-style-type: none">• Move panel to an area with direct sunlight.• Adjust kickstands for optimal sun angle.• Remove any objects casting shadows on the panel.• Check all cable connections; ensure they are secure and correct.• Clean the panel surface.• Verify device compatibility and functionality.
Panel overheating	<ul style="list-style-type: none">• Prolonged exposure to extreme heat without adequate ventilation	<ul style="list-style-type: none">• Ensure proper airflow around the panel.• If possible, slightly elevate the panel to allow air circulation underneath.• Move to a slightly cooler, shaded area if necessary, though this will reduce output.

8. TECHNICAL SPECIFICATIONS

PORTABLE AND FOLDABLE

Provides you with portability as it can simply be folded to carry anywhere



WEIGHT: 11 lb/ 5kg

Solar Cell	Monocrystalline
Conversion Efficiency	Up to 25%
Max Power	200W
Power Voltage	20V
Power Current	10A
Open Circuit Voltage	23.73V
Short-Circuit Current	13.1A

Image: The solar panel shown with its dimensions and a table detailing key electrical specifications.

Specification	Value
Brand	ELECAENTA
Model Number	Uranus-200-US
Material	Monocrystalline Silicon, ETFE, Rubber, Oxford

Specification	Value
Product Dimensions (Unfolded)	80.3" L x 22.95" W (204cm L x 58.3cm W)
Product Dimensions (Folded)	23" L x 21.5" W x 2" H (58.3cm L x 54.5cm W x 5cm H)
Item Weight	11 lbs (5 kg)
Efficiency	25% High Efficiency Conversion
Maximum Power	200 Watts
Output Voltage	20 Volts
Power Current	10A
Open Circuit Voltage	23.73V
Short-Circuit Current	13.1A
Special Feature	Flexible, Portable
Certification	CE, FCC, ROHS

9. WARRANTY AND SUPPORT

9.1 Warranty Information

The ELECAENTA 200W Portable Solar Panel comes with a manufacturer's warranty for 24 months from the date of purchase. Please retain your proof of purchase for warranty claims.

9.2 Customer Support

For technical assistance, warranty inquiries, or any questions regarding your product, please visit the official ELECAENTA store or contact their customer service through the platform where the product was purchased.

You can find more information and support at the [ELECAENTA Brand Store](#).

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Related Documents

	ELECAENTA 30W Foldable Solar Charger User Manual User manual for the ELECAENTA 30W foldable solar charger, detailing its features, operation, specifications, and warranty. This portable solar panel provides clean energy for electronic devices during outdoor activities.
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