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Xtorm XPS100

Xtorm 100W Portable Solar Panel XPS100 Instruction Manual

Model: XPS100

1. INTRODUCTION

This manual provides essential information for the safe and efficient use of your Xtorm 100W Portable Solar Panel. Please read these instructions carefully before operating the device and retain them for future reference.

The Xtorm 100W Solar Panel is designed to convert sunlight into electrical energy, providing a portable power source for various devices. Its foldable design and durable construction make it suitable for outdoor use.



Image: The Xtorm 100W Portable Solar Panel deployed outdoors, connected to a power station for energy storage.

2. WHAT'S IN THE Box

Carefully unpack your Xtorm 100W Portable Solar Panel and ensure all items are present:

- 1x Xtorm 100W Solar Panel
- 1x User Manual
- 1x DC to MC4 Converter Cable



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100W Solar
Panel



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User Manual



1x DC to MC4
Converter Cable

Image: A visual representation of the Xtorm 100W Solar Panel package contents, showing the panel, manual, and cable.

3. PRODUCT OVERVIEW

The Xtorm 100W Solar Panel is designed for portability, durability, and efficient power generation.

3.1. Foldable and Lightweight Design

The panel features a compact, foldable design for easy storage and transport. When folded, its dimensions are 598 x 529 x 45 mm, and when open, it measures 1060 x 598 x 25 mm. The total weight is 3.8 kg.

Foldable & Lightweight

Compact design. Built for travel.



FOLDABLE
DESIGN



AIRPORT
PROOF



WEIGHS
3.8 KG

Size when folded: 598x529x45mm
Size when open: 1060x598x25mm

Image: The Xtorm 100W Solar Panel in both folded and open states, illustrating its compact and lightweight characteristics.

3.2. Durable and Water-Resistant Construction

Constructed with splash-proof materials, the solar panel is built to withstand outdoor elements, offering resistance to water and impacts. This ensures reliable performance in various weather conditions.

Built to Last

Splash-proof materials. Protected against the elements.

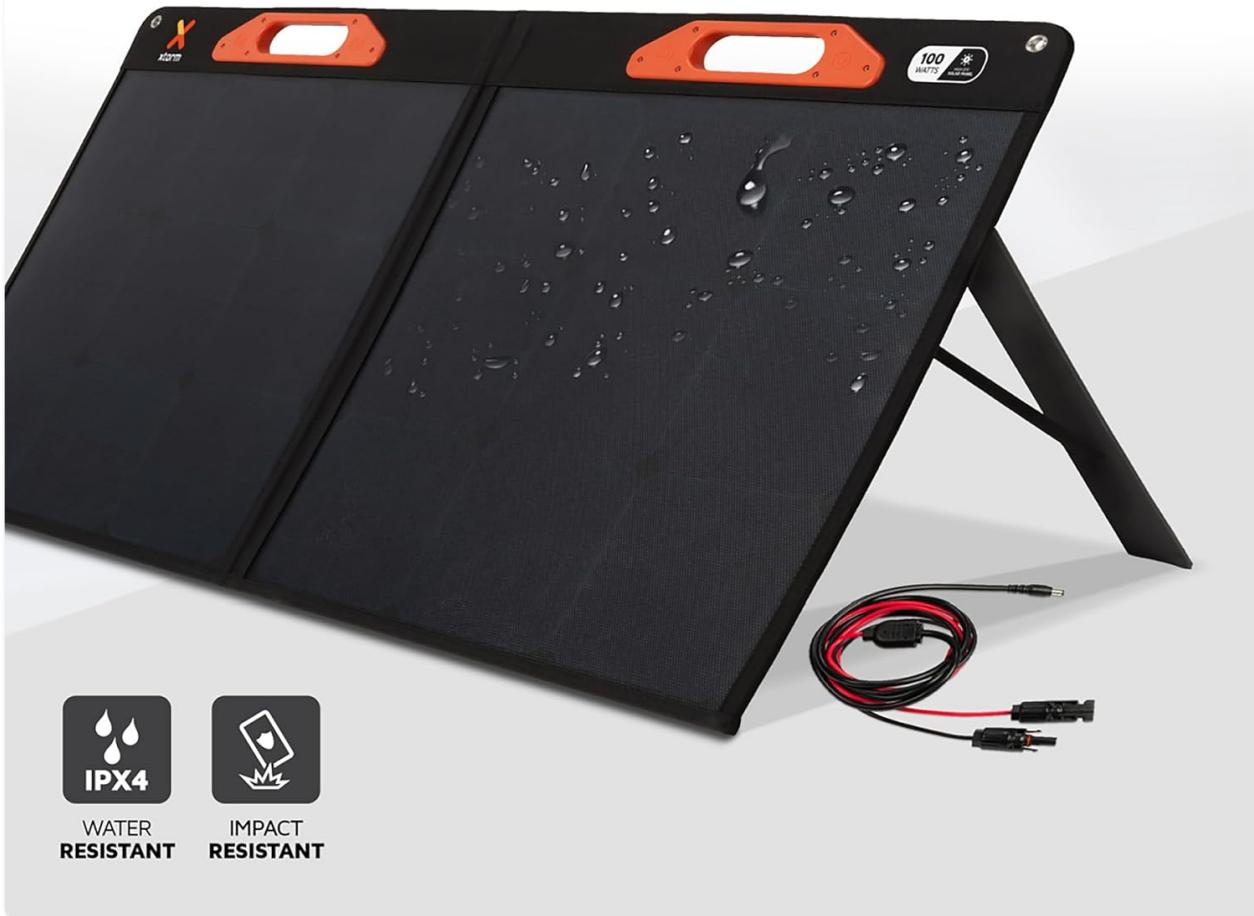


Image: The Xtorm 100W Solar Panel demonstrating its water-resistant properties, suitable for outdoor use.

3.3. Multiple Output Ports

The panel is equipped with versatile output options to charge a wide range of devices:

- 1x DC 5.5mm Output (100W)
- 1x USB-C PD Output (45W)
- 1x USB Quick Charge 3.0 Output (18W)

4. SETUP

Follow these steps to set up your Xtorm 100W Portable Solar Panel:

1. **Unfold the Panel:** Carefully unfold the solar panel completely. The panel is designed with integrated handles for easy handling.
2. **Position for Sunlight:** Place the solar panel in a location with direct sunlight. For optimal performance, ensure the panel is angled directly towards the sun. Avoid shaded areas.
3. **Deploy Kickstands:** Extend the integrated kickstands on the back of the panel to support it at an optimal angle for sun exposure.
4. **Connect Devices:** Use the appropriate cables to connect your devices or power station to the output ports on the solar panel.



Generate your own energy through the sun.



Image: The Xtorm 100W Solar Panel positioned to capture solar energy, illustrating its high efficiency and power delivery capabilities.

5. OPERATING INSTRUCTIONS

The Xtorm 100W Solar Panel allows you to charge various devices directly or store energy in a portable power station.

5.1. Charging Devices Directly

Connect your smartphone, tablet, laptop, or other compatible devices to the USB-C PD or USB Quick Charge 3.0 ports using their respective charging cables. The panel can charge up to three devices simultaneously.

Charge 3 devices

3 outputs mean you can charge up to 3 devices at the same time.



Image: The Xtorm 100W Solar Panel demonstrating its ability to charge three devices concurrently.

5.2. Charging a Portable Power Station

For storing generated energy, connect the solar panel to a compatible portable power station using the DC 5.5mm output and the provided DC to MC4 converter cable if necessary. This allows you to store energy for later use or to power larger devices.

Store your Energy

Add a Portable Power Station to store your generated energy.



*In Ideal conditions
The Portable Power stations XP300U, XP500 and XP1300 come with a MC4 converter cable for Solar Panels

Image: The Xtorm 100W Solar Panel connected to different Xtorm power stations, illustrating its energy storage capability.

5.3. Integrated Protection

The solar panel features built-in protection mechanisms to safeguard your connected devices against overcharge, overheating, and short circuits, ensuring safe and efficient operation.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your solar panel.

- Cleaning:** Regularly wipe the solar panel surface with a soft, damp cloth to remove dust, dirt, or debris that may reduce efficiency. Avoid abrasive cleaners or harsh chemicals.
- Storage:** When not in use, fold the panel and store it in a dry, cool place away from direct sunlight and extreme temperatures.
- Inspection:** Periodically check cables and connectors for any signs of wear or damage. Replace any damaged components immediately.
- Environmental Protection:** While water-resistant, avoid prolonged exposure to heavy rain or submersion in water.

7. TROUBLESHOOTING

If you encounter issues with your Xtorm 100W Portable Solar Panel, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power output	Insufficient sunlight, panel not angled correctly, dirty panel surface, faulty cable/connection.	Ensure direct sunlight, adjust panel angle, clean surface, check cable connections.
Slow charging	Partial shading, low sun intensity, high power demand from device, dirty panel.	Relocate panel to full sun, wait for stronger sunlight, ensure panel is clean, try charging one device at a time.
Device not recognized	Incompatible device, faulty USB cable, port issue.	Verify device compatibility, try a different USB cable, try a different output port.

If the problem persists after attempting these solutions, please contact Xtorm customer support.

8. SPECIFICATIONS

Feature	Detail
Model Number	XPS100
Maximum Power	100 Watt
Maximum Voltage	20 Volts
DC Output	1x 5.5mm, 100W
USB-C PD Output	1x 45W
USB Quick Charge 3.0 Output	1x 18W
Efficiency	High Efficiency (SunPower® Solar Cells)
Dimensions (Open)	106L x 59.8W x 2.5H cm
Dimensions (Folded)	59.8L x 52.9W x 4.5H cm
Weight	3800 Grams (3.8 kg)
Material	Glass (referring to solar cell material)
Special Features	Fast Charging, Water Resistant (IPX4), Impact Resistant, Foldable Design

9. WARRANTY INFORMATION

The Xtorm 100W Portable Solar Panel comes with a **2-year limited manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

For specific terms and conditions, or to make a warranty claim, please refer to the official Xtorm website or contact their customer support.

10. SUPPORT

For further assistance, technical support, or inquiries regarding your Xtorm 100W Portable Solar Panel, please visit the official Xtorm support channels:

- **Xtorm Support Helpdesk:** Refer to the contact information provided in your product packaging or on the official Xtorm website.
- **Official Website:** www.xtorm.eu