

FOSSIBOT SP200

FOSSiBOT SP200 Foldable Solar Panel 200W User Manual

Model: SP200

1. INTRODUCTION

Thank you for choosing the FOSSiBOT SP200 Foldable Solar Panel. This manual provides essential information for the safe and efficient use of your solar panel. Please read it thoroughly before operation and retain it for future reference.

The FOSSiBOT SP200 is a 200-watt monocrystalline solar panel designed for portable power generation. It features high cell efficiency, a durable ETFE coating, and a foldable design with adjustable kickstands, making it suitable for various outdoor and emergency applications.

2. PACKAGE CONTENTS

- 1x FOSSiBOT SP200 Foldable Solar Panel with attached cable
- 1x Carry Case
- 1x Extra Solar Panel Charging Cable (3-in-1 MC4 with Anderson, XT90, XT60 connectors)
- 1x User Manual

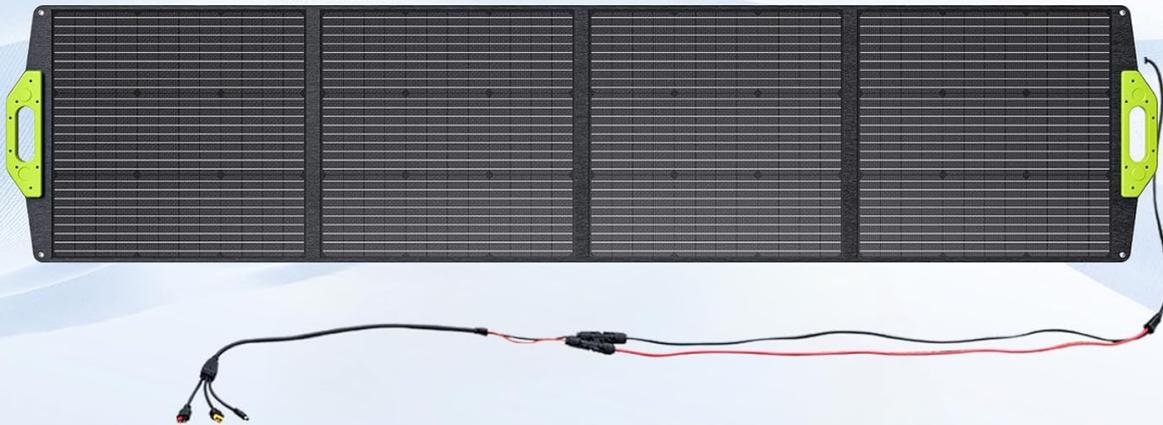
3. SETUP INSTRUCTIONS

3.1 Unfolding the Solar Panel

Carefully unfold the FOSSiBOT SP200 solar panel. Ensure it is placed on a flat, stable surface before proceeding.

3-IN-1 MC4 Solar Charging Cable

One Cable Is Compatible With Almost All
Portable Power Stations.



Anderson



XT90



XT60

Image: The FOSSIBOT SP200 solar panel in its compact, folded state, ready for transport or storage.

3.2 Positioning with Adjustable Kickstands

Locate the adjustable kickstands on the back of the solar panel. Snap them into position to support the panel. Adjust the angle of the panel to face the sun directly for optimal charging efficiency. An angle between 35-60 degrees is generally recommended for maximum sunlight exposure.

3-IN-1 MC4 Solar Charging Cable

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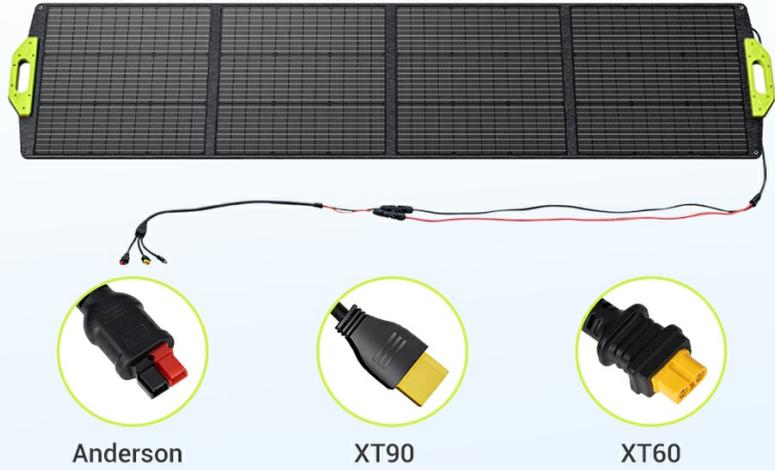


Image: The FOSSiBOT SP200 solar panel deployed with its adjustable kickstands, demonstrating how to angle it towards the sun.

3.3 Connecting to a Power Station

The SP200 comes with a 3-in-1 MC4 solar charging cable, compatible with most portable power stations. Identify the correct connector type (Anderson, XT90, or XT60) for your power station and connect it to the solar panel's output cable. Ensure all connections are secure.



Image: The versatile 3-in-1 MC4 solar charging cable, showing its compatibility with Anderson, XT90, and XT60 input ports on power stations.

4. OPERATING THE SOLAR PANEL

4.1 Optimal Sunlight Exposure

For maximum power output, ensure the solar panel is positioned in direct sunlight without any shading from trees, buildings, or other obstructions. Adjust the panel's angle periodically throughout the day to follow the sun's path.

200W Portable Solar Panel

Ideal For Short Trips



Image: The FOSSiBOT SP200 solar panel in use, charging a portable power station at a campsite, demonstrating a typical outdoor application.

4.2 Monitoring Charging

Once connected, your portable power station should indicate that it is receiving a charge. The SP200 utilizes monocrystalline solar cells, offering up to 23.4% conversion efficiency, which means it can generate usable electricity even in less ideal weather conditions, though direct sunlight yields the best results.



IP67 Waterproof

Waterproof, Wear-resistant, Easy To Deal With a Variety of Harsh Environments

Image: A visual representation highlighting the high conversion efficiency of the FOSSiBOT solar panel, converting sunlight into usable energy.

4.3 Multiple Use Cases

The foldable and portable design makes the SP200 ideal for various scenarios, including RV trips, camping, emergency blackouts, and fishing. Its robust construction ensures reliability in diverse environments.



RV Trip



Camping



Blackout



Fishing

Image: A collage showcasing the FOSSiBOT SP200 solar panel being used in different outdoor and emergency situations, such as RVing, camping, during a blackout, and fishing.

5. MAINTENANCE AND CARE

5.1 Cleaning the Solar Panel

The SP200 features a long-lasting ETFE coating, which is designed to withstand scratches and water splashes. To maintain optimal performance, regularly clean the surface of the solar panel with a soft, damp cloth to remove dust, dirt, or debris. Avoid using abrasive materials or harsh chemicals.



Image: The FOSSiBOT SP200 solar panel with water droplets on its surface, illustrating its IP67 waterproof and durable ETFE coating.

5.2 Storage

When not in use, fold the solar panel and store it in its carry case. Store in a cool, dry place away from direct sunlight and extreme temperatures. Avoid placing heavy objects on the folded panel.

Foldable and Light Weight

It's Very Easy To Take



Image: A person carrying the FOSSiBOT SP200 solar panel in its folded, portable form, demonstrating its ease of transport for outdoor activities.

6. TROUBLESHOOTING

6.1 Low Power Output

- **Check Sunlight Exposure:** Ensure the panel is in direct sunlight and not shaded. Adjust the angle for optimal sun exposure.
- **Clean Panel Surface:** Dust or dirt on the panel can reduce efficiency. Clean the surface as described in Section 5.1.
- **Verify Connections:** Ensure all cables are securely connected to both the solar panel and the power station.
- **Environmental Factors:** Cloud cover, haze, or extreme temperatures can affect solar panel performance.

6.2 No Charging Indication

- **Check Power Station Input:** Confirm your power station is set to receive solar input and is functioning correctly.

- **Inspect Cables:** Look for any visible damage to the solar panel cables or connectors.
- **Test with Another Device (if possible):** If you have another compatible device, test the solar panel to isolate the issue.

7. SPECIFICATIONS

Feature	Detail
Brand	FOSSIBOT
Model Number	SP200
Maximum Power	200 Watts
Efficiency	23.4%
Product Dimensions (Unfolded)	21"L x 2"W x 94"H
Item Weight	16.1 Pounds
Special Feature	Portable, Foldable, Adjustable Kickstands
Coating	ETFE (Water-resistant, Anti-scratch)
Included Components	Solar Panel with Cable, Carry Case, Extra Solar Panel Charging Cable

8. WARRANTY AND SUPPORT

8.1 Warranty Information

The FOSSiBOT SP200 Foldable Solar Panel comes with a **24-month warranty** from the date of purchase. This warranty covers manufacturing defects and ensures the product meets its specified performance under normal use. Please retain your proof of purchase for warranty claims.

8.2 Customer Support

FOSSiBOT is committed to providing reliable energy solutions and excellent customer service. For any questions, technical assistance, or warranty inquiries, please contact our customer support team. We offer lifetime friendly customer service and aim to respond to all inquiries within 24 hours.

You can find contact information on the official FOSSiBOT website or through your purchase platform.

9. SAFETY INFORMATION

- Do not attempt to modify or disassemble the solar panel.
- Avoid exposing the solar panel to open flames or extreme heat.
- Keep the solar panel away from children and pets.
- Ensure proper ventilation when operating the solar panel and connected devices.
- Handle cables and connectors with care to prevent damage.

