

AFERIY AF-SL030

AFERIY 30W Foldable Solar Panel User Manual

Model: AF-SL030

1. INTRODUCTION

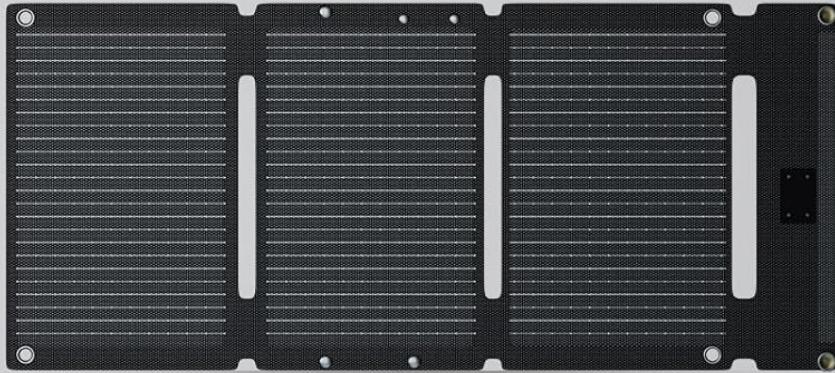
Thank you for choosing the AFERIY 30W Foldable Solar Panel. This compact and highly efficient solar charger is designed to provide reliable power for your electronic devices in various outdoor and emergency situations. Featuring advanced ETFE technology and multiple output ports, it offers a convenient and eco-friendly charging solution for smartphones, tablets, mobile batteries, and small portable power stations. Please read this manual thoroughly before using the product to ensure safe and optimal performance. Keep this manual for future reference.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- AFERIY 30W Solar Panel Unit
- 4 x Carabiners
- User Manual

パッケージ内容



30W ソーラーパネル



ユーザーマニュアル



4 カラビナ

Figure 2.1: Package Contents

3. FEATURES

- Advanced ETFE Material & High Efficiency:** Utilizes high-quality monocrystalline cells with ETFE film, achieving up to 25% power conversion efficiency.
- Smart IC Technology:** Automatically identifies connected devices and delivers optimal current for fast and safe charging.

- **Comprehensive Safety Protection:** Built-in safeguards against overcharge, overload, overcurrent, and short-circuit, ensuring device safety.
- **High Compatibility:** Equipped with Type-C (PD18W) and USB-A (QC3.0) output ports, compatible with most smartphones, tablets, mobile batteries, and small portable power stations.
- **Lightweight & Compact Design:** Foldable for easy portability, making it ideal for camping, hiking, and other outdoor activities.
- **Durable & Weatherproof:** Constructed with IP65 waterproof and dustproof materials, ensuring durability in various environmental conditions.



Figure 3.1: High Conversion Efficiency



Figure 3.2: Dual Output Ports (Type-C & USB-A)

4. SETUP

- 1. Unfold the Panel:** Carefully unfold the AFERIY solar panel completely.
- 2. Position for Sunlight:** Place the solar panel in a location with direct and unobstructed sunlight. Ensure no

shadows fall on the panel surface.

3. **Adjust Angle:** Utilize the integrated stand on the back of the panel to adjust its angle towards the sun for maximum exposure. An optimal angle (typically 90 degrees to the sun's rays) will maximize charging efficiency.
4. **Secure the Panel:** If necessary, use the included carabiners to secure the panel to a backpack, tent, or other stable surface, especially in windy conditions.



Figure 4.1: Portable Setup

5. OPERATING INSTRUCTIONS

- Connect Your Device:** Once the solar panel is set up and exposed to sunlight, connect your smartphone, tablet, mobile battery, or portable power station to either the Type-C or USB-A output port using a compatible charging cable.
- Begin Charging:** The panel will automatically detect your device and begin charging. The charging speed will depend on the intensity of sunlight.
- Monitor Charging:** Observe your device's charging indicator to confirm that it is receiving power.
- Optimal Performance:** For best results, ensure the panel is always facing direct sunlight and is free from any obstructions.

6. MAINTENANCE

- Cleaning:** Regularly wipe the solar panel surface with a soft, damp cloth to remove dust, dirt, or debris. Do not use harsh chemicals or abrasive materials.
- Storage:** When not in use, fold the solar panel and store it in a cool, dry place away from direct sunlight and extreme temperatures.
- Handling:** Avoid dropping the panel or subjecting it to strong impacts. Do not attempt to disassemble or modify the product.

7. TROUBLESHOOTING

- Device not charging:**
 - Ensure the solar panel is in direct sunlight.
 - Check all cable connections to ensure they are secure.
 - Verify that your device is compatible with the output ports (Type-C or USB-A).
 - Try connecting a different device to rule out a device-specific issue.
- Slow charging:**
 - Ensure the panel is angled directly towards the sun.
 - Clean the panel surface to remove any dirt or dust that might be obstructing sunlight.
 - Charging efficiency decreases on cloudy days or in shaded areas. Move to a brighter location.

8. SPECIFICATIONS

Feature	Specification
Brand	AFERIY
Model Number	AF-SL030
Product Dimensions (Unfolded)	74.6 x 33 x 1.6 cm
Product Dimensions (Folded)	21.1 x 32.9 x 3.5 cm

Feature	Specification
Weight	1.16 kg
Material	Monocrystalline Silicon, ETFE
Output Ports	Type-C (PD18W), USB-A (QC3.0)
Conversion Efficiency	Up to 25%
Waterproof Rating	IP65

9. WARRANTY AND SUPPORT

AFERIY products are manufactured to the highest quality standards. For any questions, technical support, or warranty claims, please contact AFERIY customer service through the retailer where you purchased the product or visit the official AFERIY website for contact information.

Please retain your proof of purchase for warranty purposes.

Related Documents - AF-SL030

	<p>AFERIY AF-P310-EC-H Portable Power Station User Manual</p> <p>User manual for the AFERIY AF-P310-EC-H Portable Power Station, detailing its features, operation, safety precautions, and specifications. Learn about AC output parameters, button functions, display interface, troubleshooting, UPS mode, battery pack connection, solar panel charging, vehicle charging, and warranty information.</p>
	<p>PowerXL Vortex Pro Air Fryer Owner's Manual</p> <p>This owner's manual provides comprehensive instructions, safety guidelines, and specifications for the PowerXL Vortex Pro Air Fryer, covering various models and features for optimal home cooking.</p>
	<p>AFERIY AF-P110-E Portable Power Station User Manual</p> <p>Comprehensive user manual for the AFERIY AF-P110-E Portable Power Station, covering product introduction, button functions, troubleshooting, UPS mode, solar panel connection, car charging, specifications, and warranty information.</p>



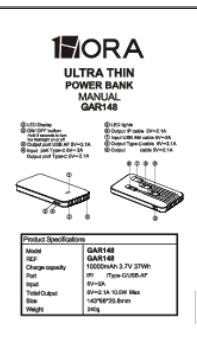
[Anchor Water Filters Reverse Osmosis System: Filter Cartridge Replacement Guide](#)

A comprehensive guide from Anchor Water Filters on replacing filter cartridges and membranes for their Reverse Osmosis water filter systems, including maintenance, cleaning, and troubleshooting tips.



[evatronic Thunder PD 65W 20000mAh Power Bank User Manual & Specifications](#)

Comprehensive user manual and technical specifications for the evatronic Thunder PD 65W 20000mAh portable power bank, detailing charging, usage, safety, and warranty information.



[1Hora GAR148 Ultra Thin Power Bank Manual](#)

User manual for the 1Hora GAR148 Ultra Thin Power Bank, detailing product specifications, usage recommendations, and warranty information.