

Sunslice FusionFlex6

Sunslice Fusion FLEX 6 Outdoor Solar Charger User Manual

Model: FusionFlex6 | Brand: Sunslice

1. INTRODUCTION

Thank you for choosing the Sunslice Fusion FLEX 6 Solar Charger. This ultra-light, compact, and highly durable solar panel is designed to provide reliable power for your electronic devices using solar energy. Its flexible CIGS cells offer excellent performance, making it an ideal companion for outdoor enthusiasts, hikers, and cyclists who require portable and efficient charging solutions.

This manual provides essential information on setting up, operating, maintaining, and troubleshooting your Fusion FLEX 6 solar charger to ensure optimal performance and longevity.

2. PRODUCT OVERVIEW

The Sunslice Fusion FLEX 6 is engineered for portability and resilience. It features high-efficiency CIGS solar cells, a robust ETFE coating, and a single USB-A output port.



Figure 2.1: The Sunslice Fusion FLEX 6 Solar Charger, showcasing its compact and sleek design.

Key features include:

- **Ultra-lightweight and Compact:** Weighing approximately 140g and folding to an A4 size, it's designed for minimal bulk.
- **Flexible and Unbreakable:** The CIGS solar cells and ETFE coating ensure the panel is resistant to

bumps, scratches, dust, sand, water, and bending.

- **High Efficiency:** Converts up to 16.5% of solar energy into electricity.
- **Universal Compatibility:** Equipped with a USB-A port for charging various USB-powered devices.
- **Integrated Attachment Points:** Four strong points on the corners allow for easy attachment to backpacks, bikes, or tents.



Figure 2.2: Visual representation of the Fusion FLEX 6's attachment points, flexibility, and waterproof capabilities, ideal for outdoor use.



Figure 2.3: An illustration detailing the advanced CIGS solar technology used in the Fusion FLEX series, highlighting its multiple advantages.

3. SETUP

The Fusion FLEX 6 is designed for quick and easy deployment.

1. **Unfold the Panel:** Carefully unfold the solar panel to its full extent.
2. **Position for Sunlight:** Place the solar panel in direct sunlight. For optimal charging, ensure the panel is angled directly towards the sun.
3. **Secure the Panel:** Use the four integrated attachment points to secure the panel. The package includes 2 carabiners and 2 adjustable elastic bands for this purpose. Attach the panel to your backpack, tent, or

any suitable surface to keep it stable and exposed to sunlight.

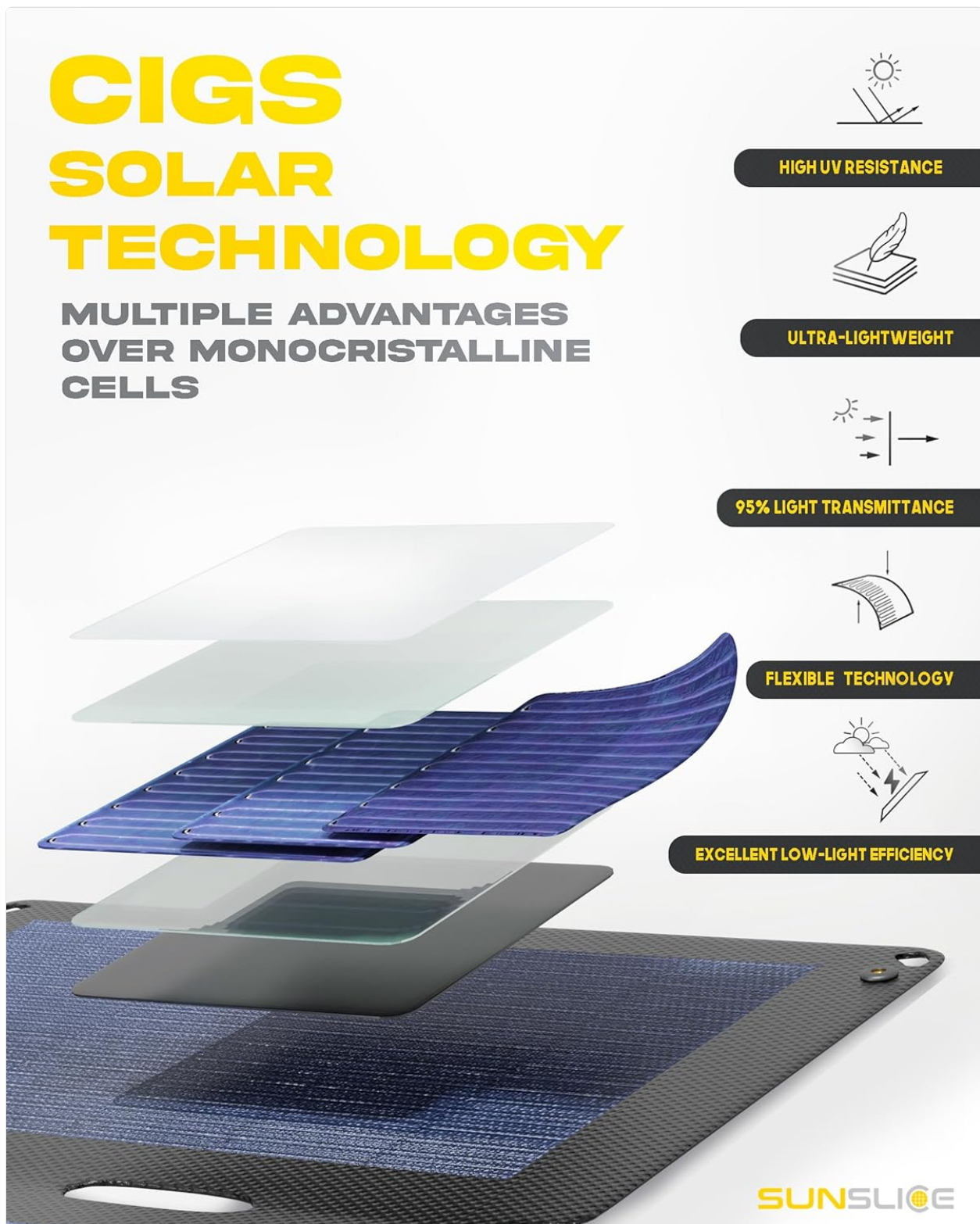


Figure 3.1: Included accessories: 2 carabiners and 2 adjustable elastic bands for secure attachment.

4. OPERATING INSTRUCTIONS

The Fusion FLEX 6 is equipped with a single USB-A port for charging your devices.

1. **Connect Your Device:** Plug your USB-powered device (e.g., smartphone, power bank, action camera, headlamp) into the USB-A port on the solar panel using a compatible charging cable.
2. **Monitor Charging:** The internal chip ensures a constant charging power. Charging speed will vary based on sunlight intensity. For ultra-fast charging, ensure direct and strong sunlight. A phone can be

fully charged in approximately 4 hours on a sunny day.

3. **Optimal Performance:** For best results, avoid shading the panel and keep it clean.



Figure 4.1: The USB-A output port provides 5V/1.2A for charging a wide range of devices.

Your browser does not support the video tag.

Video 4.1: A demonstration of the Sunslee Fusion FLEX series, highlighting its flexibility, water resistance, and ease of use for charging various devices in outdoor environments.

5. MAINTENANCE

The Sunslee Fusion FLEX 6 is built for durability and requires minimal maintenance.

- **Cleaning:** The ETFE coating makes the panel resistant to dust and sand. If the panel becomes dirty,

gently wipe it with a soft, damp cloth. Avoid using harsh chemicals or abrasive materials.

- **Water Resistance:** The panel is waterproof, so you do not need to worry about rain or splashes. However, avoid submerging the USB port in water.
- **Storage:** When not in use, fold the panel and store it in a cool, dry place away from extreme temperatures. Its thin design allows it to be easily tucked into a travel bag.



Figure 5.1: The Fusion FLEX 6 is completely waterproof, ensuring reliable performance even in wet conditions.

6. TROUBLESHOOTING

If you encounter issues with your Sunslice Fusion FLEX 6, please refer to the following common troubleshooting steps:

• **Device Not Charging:**

- Ensure the solar panel is in direct, strong sunlight. Partial shade or cloudy conditions will significantly reduce output.
- Check that the USB cable is securely connected to both the solar panel and your device.
- Verify that your device is compatible with 5V/1.2A charging. Some devices may require higher input.
- Test with a different USB cable and/or device to rule out cable or device issues.

• **Slow Charging:**

- Charging speed is directly dependent on sunlight intensity. Move the panel to a location with maximum direct sunlight.
- Ensure the panel surface is clean and free from dust or debris.
- The panel's output is 6W. Larger devices or power banks may charge slower than smaller devices like smartphones.

If the problem persists after trying these steps, please contact Sunslicе customer support for further assistance.

7. SPECIFICATIONS

Attribute	Detail
Brand	Sunslice
Model Number	FusionFlex6
Wattage	6 Watts
Item Weight	4.9 ounces (approx. 140g)
Product Dimensions (Folded)	11.42 x 7.48 x 0.04 inches (290 x 190 x 1 mm)
Material	CIGS Flexible Solar Cells, High Light Transmission Anti-Static ETFE Film
Power Source	Solar Powered
Output Port	1 x USB Type A
Input Voltage	5 Volts (DC)
Compatible Devices	Smartphones, Tablets, Power Banks, Action Cameras, Headlamps, etc.
Included Components	2 x Adjustable elastics, 2 x Carabiners

IN THE BOX

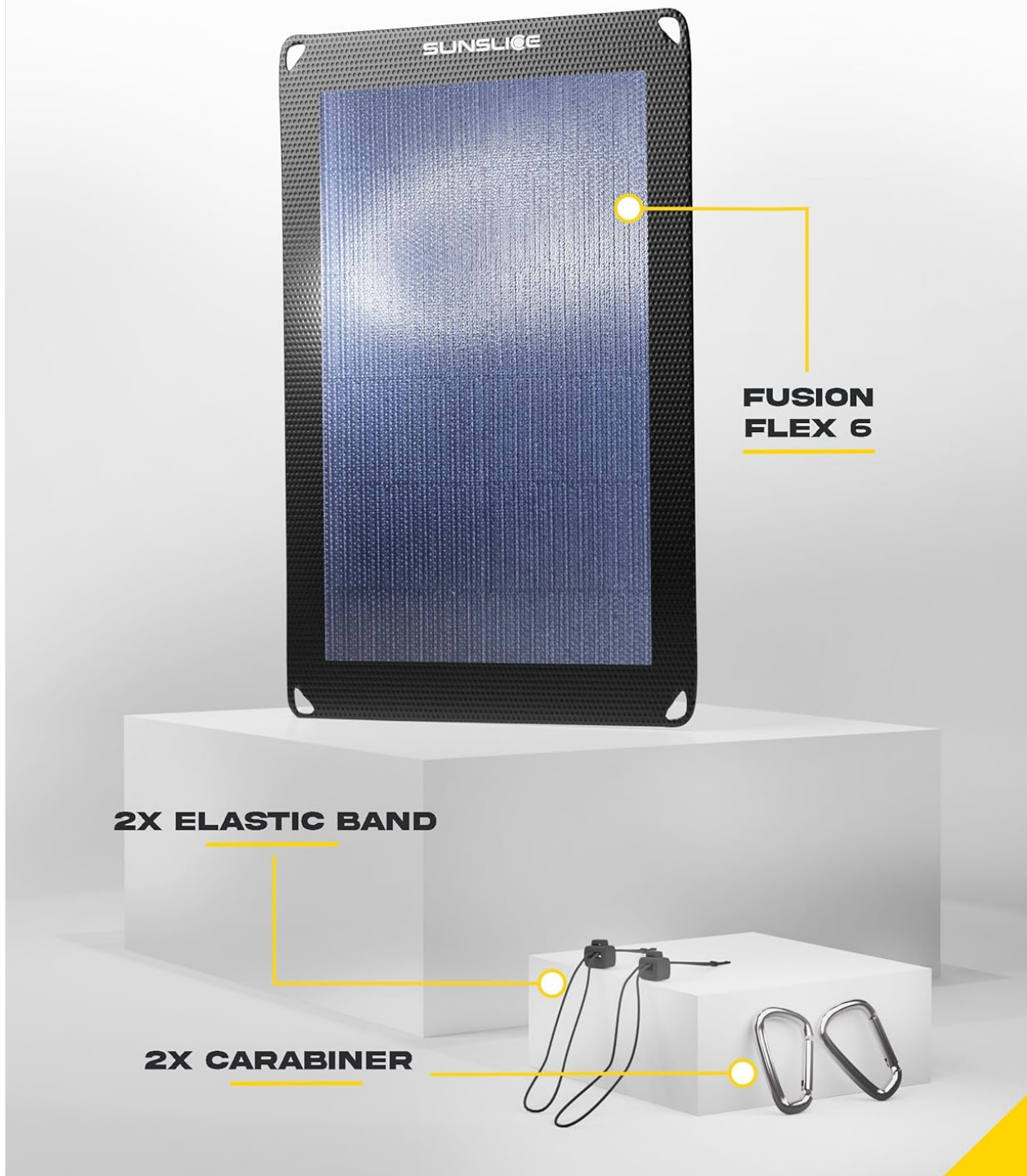


Figure 7.1: The Fusion FLEX 6 is designed to be compact and lightweight, making it easy to carry on any adventure.

8. WARRANTY AND SUPPORT

The Sunslice Fusion FLEX 6 Solar Charger comes with a **2 Year Limited Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. For warranty claims, technical support, or any questions regarding your product, please contact Sunslice customer service through the retailer where you purchased the product or visit the official Sunslice website for contact information.

Please retain your proof of purchase for warranty purposes.

Related Documents - FusionFlex6

	<p>Sunslice Fusion Flex 48 Portable Solar Charger User Manual</p> <p>Comprehensive user manual for the Sunslice Fusion Flex 48, a portable and flexible 48W solar charger. Learn about its features, specifications, charging instructions, and safety precautions.</p>
	<p>Sunslice Fusion 60 Solar Panel User Manual - Portable Power Anywhere</p> <p>Official user manual for the Sunslice Fusion 60 portable solar panel. Learn about features, specifications, charging, safety precautions, and warranty for this 60W foldable solar charger.</p>
	<p>Sunslice Fusion Flex 18 User Manual - Portable Solar Charger</p> <p>User manual for the Sunslice Fusion Flex 18, an 18W portable solar charger. Learn about specifications, features, charging, warranties, and precautions for this flexible, durable solar panel.</p>
	<p>Sunslice Fusion Flex 24 User Manual - Portable Solar Charger</p> <p>Comprehensive user manual for the Sunslice Fusion Flex 24, a portable 24W solar charger. Learn about its features, specifications, charging instructions, safety precautions, and warranty.</p>
	<p>Sunslice Fusion Flex 12 User Manual - Portable Solar Charger Guide</p> <p>Comprehensive user manual for the Sunslice Fusion Flex 12 portable solar charger. Learn about features, specifications, charging, warranty, and safety precautions for this innovative CIGS solar technology device.</p>
	<p>Sunslice Fusion Core 10: Portable Solar Charger User Manual</p> <p>User manual for the Sunslice Fusion Core 10 portable solar charger, covering introduction, product overview, technical specifications, features, charging instructions, warranty information, and safety precautions.</p>