

## FlexSolar E15

# FlexSolar 15W Portable Solar Panel Charger User Manual

Model: E15

## INTRODUCTION

This manual provides detailed instructions for the safe and efficient use of your FlexSolar 15W Portable Solar Panel Charger. Please read this manual thoroughly before operating the device and retain it for future reference.

The FlexSolar 15W Portable Solar Panel Charger is designed to convert solar energy into electrical power for charging various 5V USB-compatible electronic devices. Its compact, foldable, and waterproof design makes it suitable for outdoor activities such as camping, hiking, and backpacking.

## IMPORTANT SAFETY INSTRUCTIONS

- Do not attempt to modify or disassemble the solar panel.
- Avoid exposing the junction box to water, as it is not waterproof.
- Do not charge devices through glass, as this significantly reduces charging efficiency.
- Keep the solar panel away from open flames or extreme heat sources.
- Ensure proper ventilation when charging to prevent overheating.
- Supervise children when the device is in use.

## PACKAGE CONTENTS

Verify that all items are present in your package:

- FlexSolar 15W Portable Solar Panel Charger
- 2 x Carabiners
- User Manual (this document)

## SETUP

1. **Unfold the Solar Panel:** Carefully unfold the FlexSolar 15W solar panel to its full extent.
2. **Position for Sunlight:** Place the solar panel in direct sunlight. For optimal performance, ensure the panels are angled directly towards the sun. Avoid shaded areas.
3. **Secure the Panel:** Use the included carabiners to hang the solar panel on a backpack, tent, or other suitable location to maintain optimal sun exposure.



Image: FlexSolar 15W solar panel unfolded and hanging on a backpack, demonstrating outdoor setup.

## OPERATING INSTRUCTIONS

1. **Connect Your Device:** Plug your electronic device (e.g., smartphone, power bank, tablet, USB fan) into the built-in USB-A output port (5V/3A max) on the solar panel using a compatible USB cable.
2. **Monitor Charging Status:** An integrated LED light on the solar panel indicates the charging status. When the LED is lit, the panel is actively generating power and attempting to charge the connected device.
3. **Optimal Charging Conditions:** For best results, ensure the solar panel is in direct, unobstructed sunlight. Charging

efficiency will decrease in cloudy conditions or when placed behind glass.

4. **No Internal Battery:** This solar charger does not store power internally. It generates power directly from sunlight. For continuous power or charging in low light, connect it to a power bank.

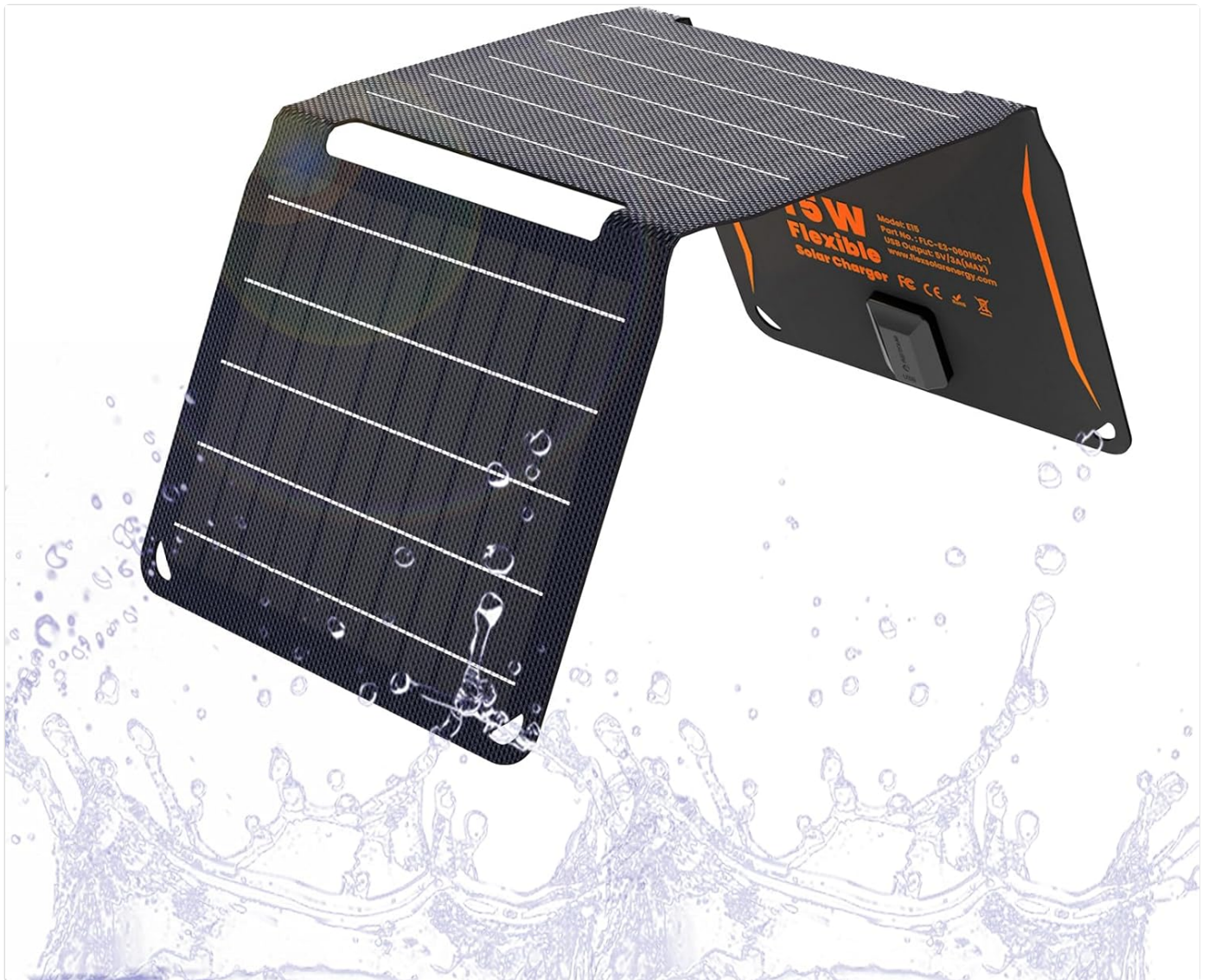


Image: The FlexSolar 15W solar panel, highlighting its waterproof capabilities with water droplets on its surface.



# Universal Compatibility

## With a USB Port



iPhone



iPad



Airpods



Galaxy



Sony

and More

## USB-A Output 5V/3A (Max)



Image: A close-up view of the USB-A output port on the FlexSolar 15W solar panel, showing a connected charging cable and the included carabiners.

## MAINTENANCE

- **Cleaning:** Wipe the solar panel surface with a soft, damp cloth to remove dust or dirt. 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.
- **Inspection:** Periodically inspect the panel and cables for any signs of damage. If damage is found, discontinue use and contact customer support.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Device not charging or charging slowly.	Insufficient sunlight, panel not angled correctly, panel surface is dirty, device requires more power than 15W, faulty cable.	Ensure the panel is in direct, unobstructed sunlight. Adjust the panel angle to face the sun directly. Clean the panel surface. Verify the device's power requirements. Try a different USB cable.
LED indicator not lit.	No sunlight, panel malfunction.	Move the panel to direct sunlight. If in direct sunlight and still no light, contact customer support.
Panel feels warm during operation.	Normal operation under direct sunlight.	This is normal. Ensure adequate airflow around the panel. If it becomes excessively hot to touch, move it to a slightly cooler, but still sunny, location.

## SPECIFICATIONS

Model	E15
Maximum Power	15 Watts
Output Port	USB-A (5V/3A Max)
Material	Monocrystalline Silicone, ETFE film lamination
Conversion Efficiency	Up to 24%
Waterproof Rating	IP67 (panel only, junction box is not waterproof)
Unfolded Dimensions	23.5" L x 8.8" W x 0.1" H
Folded Dimensions	7.8" L x 8.8" W x 0.7" H
Weight	0.99 lbs (450g)
Operating Temperature	Up to 149°F (65°C)
Certifications	CE, FCC, RoHS

## WARRANTY AND SUPPORT

**Warranty:** The FlexSolar 15W Portable Solar Panel Charger comes with a 2-year manufacturer's warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

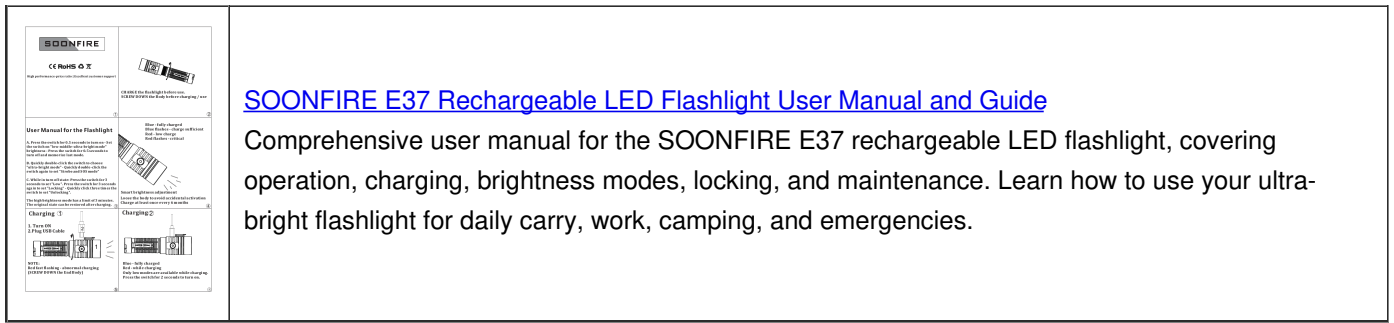
**What is Not Covered:** This warranty does not cover damage caused by misuse, accident, unauthorized modification, or improper installation. It also does not cover normal wear and tear.

**Customer Support:** For warranty claims, technical assistance, or any questions regarding your FlexSolar product, please contact FlexSolar customer support through their official website or the retailer where the product was purchased.

For more information, visit the official FlexSolar store:[FlexSolar Store](#)

## Related Documents - E15

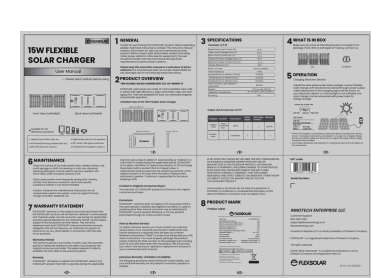
	<p><a href="#">FLEXSOLAR F120 Foldable Solar Panel: Instruction Manual &amp; Warranty</a></p> <p>Comprehensive instruction manual and warranty details for the FLEXSOLAR F120 Foldable Solar Panel. Learn about safe operation, installation, specifications, maintenance, and product support.</p>
	<p><a href="#">FlexSolar 30W Flexible Solar Charger E30 - Efficient Outdoor Power</a></p> <p>Discover the FlexSolar 30W Flexible Solar Charger (E30, FLC-E4-200300-2), a lightweight and waterproof power solution for outdoor activities. Featuring high-efficiency monocrystalline solar cells (up to 24%), smart charging, and IP67 durability, it's ideal for camping and emergencies. Includes QC 3.0 and DC ports for charging multiple devices.</p>
	<p><a href="#">FlexSolar 40W Flexible Solar Charger User Manual</a></p> <p>Comprehensive user manual for the FlexSolar 40W Flexible Solar Charger (Model E40). Includes specifications, operation instructions, maintenance guidelines, and warranty information. Suitable for charging various electronic devices.</p>
	<p><a href="#">FLEXSOLAR F120 Foldable Solar Panel: Instruction Manual &amp; Warranty</a></p> <p>Comprehensive instruction manual and warranty details for the FLEXSOLAR F120 Foldable Solar Panel. Learn about safe operation, installation, specifications, maintenance, and product support.</p>
	<p><a href="#">FlexSolar 40W Flexible Solar Charger User Manual</a></p> <p>Comprehensive user manual for the FlexSolar 40W Flexible Solar Charger (Model E40). Includes specifications, operation instructions, maintenance guidelines, and warranty information. Suitable for charging various electronic devices.</p>



[SOONFIRE E37 Rechargeable LED Flashlight User Manual and Guide](#)

Comprehensive user manual for the SOONFIRE E37 rechargeable LED flashlight, covering operation, charging, brightness modes, locking, and maintenance. Learn how to use your ultra-bright flashlight for daily carry, work, camping, and emergencies.

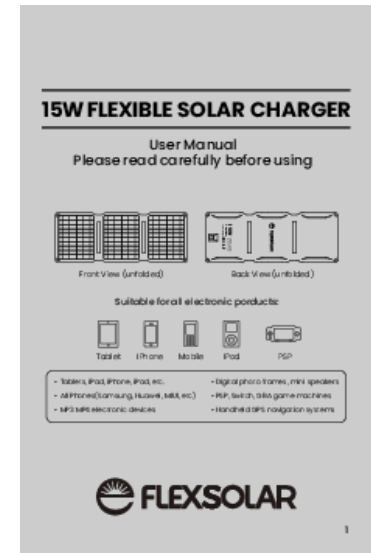
Documents - FlexSolar – E15



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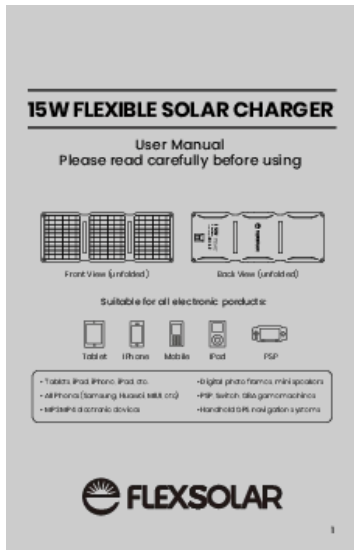
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15W FLEXIBLE SOLAR CHARGER User Manual ----Please read carefully before using 15W Flexible Solar Charger Model: **E15** Part No. : FLC-E3-060150-1 USB Output: 5V/3A MAX [www.flexsolarenergy.com](http://www.flexsolarenergy.com) Front View unfolded Back View unfolded Suitable for all electronic products: Tablets, iPad, iPhone,...  
lang:en score:50 filesize: 653.71 K page\_count: 1 document date: 2021-12-22



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15W FLEXIBLE SOLAR CHARGER User Manual Please read carefully before using 15W Flexible Solar Charger Model: **E15** Part No. : FLC-E3-060150-1 USB Output: 5V/3A MAX [www.flexsolarenergy.com](http://www.flexsolarenergy.com) Front View unfolded Back View unfolded Suitable for all electronic products: Tablet iPhone Mobile iPod ...  
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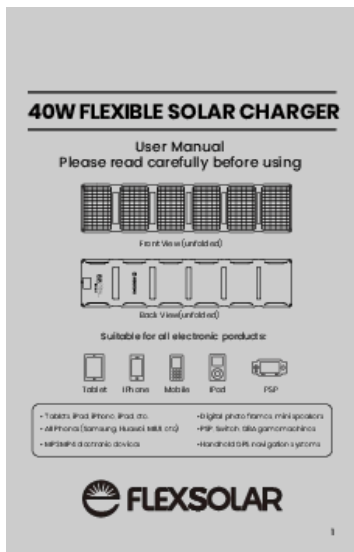
15W FLEXIBLE SOLAR CHARGER User Manual Please read carefully before using

15W Flexible Solar Charger Model: **E15** Part No. : FLC-E3-060150-1 USB Output:

5V/3A MAX www.flexsolarenergy.com Front View unfolded Back View unfolded

Suitable for all electronic products: Tablet iPhone Mobile iPod ...

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FlexSolar 40W Flexible Solar Charger User Manual

Comprehensive user manual for the FlexSolar 40W Flexible Solar Charger (Model E40). Includes specifications, operation instructions, maintenance guidelines, and warranty information. Suitable for charging various electronic devices.

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[pdf] Specifications Datasheet

02 FS E15 DATASHEET V5 20210819 Specification Sheet FlexSolar 15W Foldable Solar Panel

Waterproof IP67 Portable Charger with USB Port Compatible Phone Tablet PC for Outdoor Hiking Camping Fishing Electronics Photo A1LyahhbBJL m media amazon images I |||

15W FLEXIBLE SOLAR CHARGER **E15** 15 WATT FLC-E3-060150-1 Lightweight,

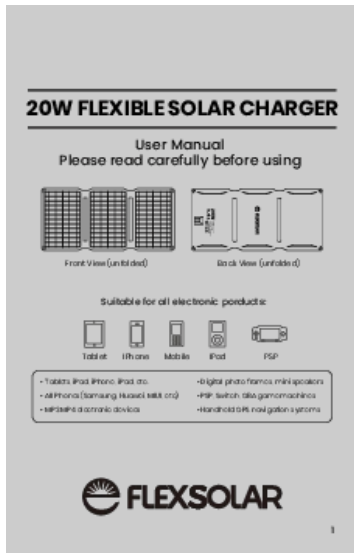
waterproof energy source to power your gear with maximum efficiency. Take the

FLEXSOLAR 15W Flexible Solar Charger with you on your outdoor travels. With high

conversion efficiency up to 24 , it s ideally suited for outdoor life a...

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E20 UM V5 User Manual FlexSolar 20W Portable Solar Panel ETFE Foldable Charger with QC3.0 18W DC Port IP67 Waterproof Monocrystalline Outdoor for Smartphone Headphone Camping Patio Lawn Garden B1NSNOQia L m media amazon images I |||

20W FLEXIBLE SOLAR CHARGER User Manual Please read carefully before using

Model: E20 Part No. : FLC ... nuel d utilisation Veuillez lire attentivement avant d utiliser 15W Flexible Solar Charger Model: **E15** Part No. : FLC-E3-060150-1 USB Output: 5V/3A MAX [www.flexsolarenergy.com](http://www.flexsolarenergy.com) Vue de face dplie ...

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[\[pdf\]](#) Specifications Datasheet Accessories

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15W FLEXIBLE SOLAR CHARGER **E15** 15 WATT FLC-E3-060150-1 Lightweight, waterproof energy source to power your gear with maximum efficiency. Take the FLEXSOLAR 15W Flexible Solar Charger with you on your outdoor travels. With high conversion efficiency up to 24%, it's ideally suited for outdoor life and...

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[\[pdf\]](#) Datasheet

02 FS E15 DATASHEET V5 20210819 15W FLEXIBLE SOLAR CHARGER Vacuum PartsWith high conversion efficiency up to 24%, it's ideally suited for outdoor life and unexpected power outages. The solar panel is lightweight at only 15.9 ounces. E15 Data Sheetecovacuum uploaded files Sheet |||

15W FLEXIBLE SOLAR CHARGER **E15** 15 WATT FLC-E3-060150-1 Lightweight, waterproof energy source to power your gear with maximum efficiency. Take the FLEXSOLAR 15W Flexible Solar Charger with you on your outdoor travels. With high conversion efficiency up to 24%, it's ideally suited for outdoor life and...

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