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## BigBlue 25W

# BigBlue Portable 25W Solar Panel Charger Instruction Manual

Model: 25W | Brand: BigBlue

### INTRODUCTION

The BigBlue Portable 25W Solar Panel Charger is designed to provide efficient and reliable power for your electronic devices using solar energy. Its compact, foldable design and durable construction make it ideal for outdoor activities such as camping, hiking, and backpacking. This manual provides essential information for setting up, operating, and maintaining your solar charger to ensure optimal performance and longevity.

# ULTRA-COMPACT AND LIGHTWEIGHT



Image: The BigBlue 25W Solar Panel Charger shown both folded for portability and unfolded to display its solar panels.

## WHAT'S IN THE BOX

- 1x 25W Solar Panel Charger
- 1x USB-C to USB-C Cable
- 2x Carabiners
- 1x Elastic Strap

# What's in the box ?

SolarPowa P25 \* 1

USB-C to USB-C Cable \* 1

Carabiners \* 2

User manual \* 1



Image: All items included in the BigBlue 25W Solar Panel Charger package: the folded solar panel, USB-C cable, carabiners, and elastic strap.

## PRODUCT FEATURES

- **Compact and Travel-Friendly:** Folds down to 4.65x6.42x1.38 inches and weighs 0.84lbs, making it highly portable.
- **Efficient and Smart Charging:** Features USB-A and USB-C ports for simultaneous charging of two devices. Built-in smart charging technology optimizes power delivery.
- **Durable with Extended Lifespan:** Constructed with ETFE coating, UV-resistant EVA, high-efficiency solar cells, and a solid baseplate to resist cracks.
- **Premium-grade Solar Cell:** Utilizes N-Type solar cells without metal lines on the front, capturing

more sunlight and achieving up to 25.4% power conversion efficiency.

- **IP68 Water and Dust Resistance:** Designed to withstand splashes, spills, and light rain. (Note: The junction box is not waterproof).



Image: Close-up of the control box showing the USB-A and USB-C output ports.

## SETUP

1. **Unfold the Solar Panel:** Carefully unfold the BigBlue 25W Solar Panel Charger completely to expose all solar cells.
2. **Position for Optimal Sunlight:** Place the solar panel in direct sunlight. For best results, position the panel at a 90-degree angle perpendicular to the sun's rays. The ideal operating temperature

for solar panels is around 25°C (77°F).

3. **Secure the Panel:** Use the included carabiners or elastic strap to securely attach the panel to a backpack, tent, or other stable surface to prevent movement.
4. **Connect Your Device:** Open the protective flap on the control box to access the USB-A and USB-C ports. Connect your device (e.g., cellphone, tablet, power bank) using the appropriate USB cable.



Image: The solar panel unfolded and positioned on a rock outdoors, charging a device.

## OPERATING INSTRUCTIONS

- **Direct Power:** The solar charger does not contain a built-in battery. It requires direct sunlight to work and must be connected to your handheld device while exposed to sunlight.
- **Automatic Restart Function:** The charger features an automatic restart function. If sunlight is weak or clouds pass by, the solar charger will repeatedly restart. This can temporarily drain power from the connected device.
- **Charging Multiple Devices:** The charger can power two devices simultaneously via its USB-A and USB-C ports. The total output is 5V/4A Max.
- **Power Output:** USB-A provides 5V/2.4A Max. USB-C provides 5V/3A Max.

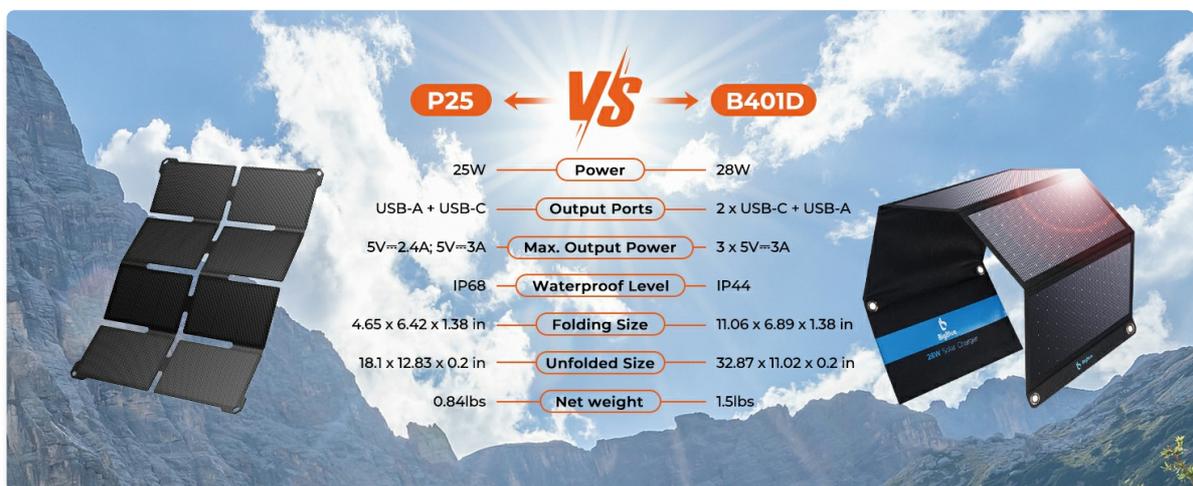


Image: A diagram illustrating the solar panel's operation, including direct charging, auto-restart in varying sunlight, and optimal angle for sun exposure.

Your browser does not support the video tag.

Video: A short demonstration of the BigBlue 25W Solar Panel Charger's portability and ease of use for charging devices.

## MAINTENANCE

- **Cleaning:** Wipe the solar panels with a soft, damp cloth to remove dust or dirt. Avoid using harsh chemicals or abrasive materials.
- **Water Resistance:** The panel is IP68 rated for water and dust resistance, meaning it can withstand splashes and light rain. However, the junction box (where the USB ports are located) is not waterproof. Avoid exposing the junction box to water.
- **Storage:** When not in use, fold the solar panel and store it in a dry, cool place away from direct sunlight.

# INDUSTRY-LEADING LAMINATION TECHNOLOGY

Higher efficiency  
solar cells

# 25.4%<sup>⚡</sup>



Image: The solar panel surface with water droplets, illustrating its IP68 water resistance. A note indicates the junction box is not waterproof.

## TROUBLESHOOTING

- **Device Not Charging:**
  - Ensure the solar panel is in direct sunlight and fully unfolded.
  - Check the connection between the solar panel and your device. Try a different USB cable.
  - Verify that your device is compatible with the charger's output specifications.
- **Intermittent Charging:**

- This can occur due to fluctuating sunlight (e.g., passing clouds). The charger's auto-restart function will attempt to resume charging.
- Reposition the panel to ensure consistent direct sunlight.
- **Low Charging Speed:**
  - Ensure the panel is positioned at the optimal 90-degree angle to the sun.
  - Check for any obstructions (e.g., shade, dirt) on the solar cells.
  - Charging speed can be affected by weather conditions and device battery level.

## SPECIFICATIONS

Feature	Detail
Product Dimensions (Folded)	4.65 x 1.38 x 6.42 inches
Item Weight	1.01 pounds
Wattage	25 watts
Total USB Ports	2 (USB-A, USB-C)
Output Current	2.4 Amps (USB-A), 3 Amps (USB-C)
Water Resistance Rating	IP68
Power Conversion Efficiency	Up to 25.4%
Compatible Devices	Cellphones, Tablets, Power Banks, E-Book Readers, Flashlights, Smartwatches, Speakers

## WARRANTY & SUPPORT

BigBlue offers a 2-Year Quality Guarantee for this product. For any support inquiries, please contact BigBlue customer service. You can find contact information on the product packaging or the official BigBlue website.

For additional information or to explore other BigBlue products, please visit the [BigBlue Store on Amazon](#).