

[Manuals.plus](#) /

› [BigBlue](#) /

› 200W Solar Panel, BigBlue SolarPowa 200 Solar Panel Charger with Kickstand for Camping, IP68 Waterproof, Portable and Lightweight, 25% Solar Efficiency, DC5521/8020/7909/ XT60 Plug for Power Station

BigBlue B504V

BigBlue SolarPowa 200 Solar Panel Charger User Manual

Model: B504V

1. INTRODUCTION

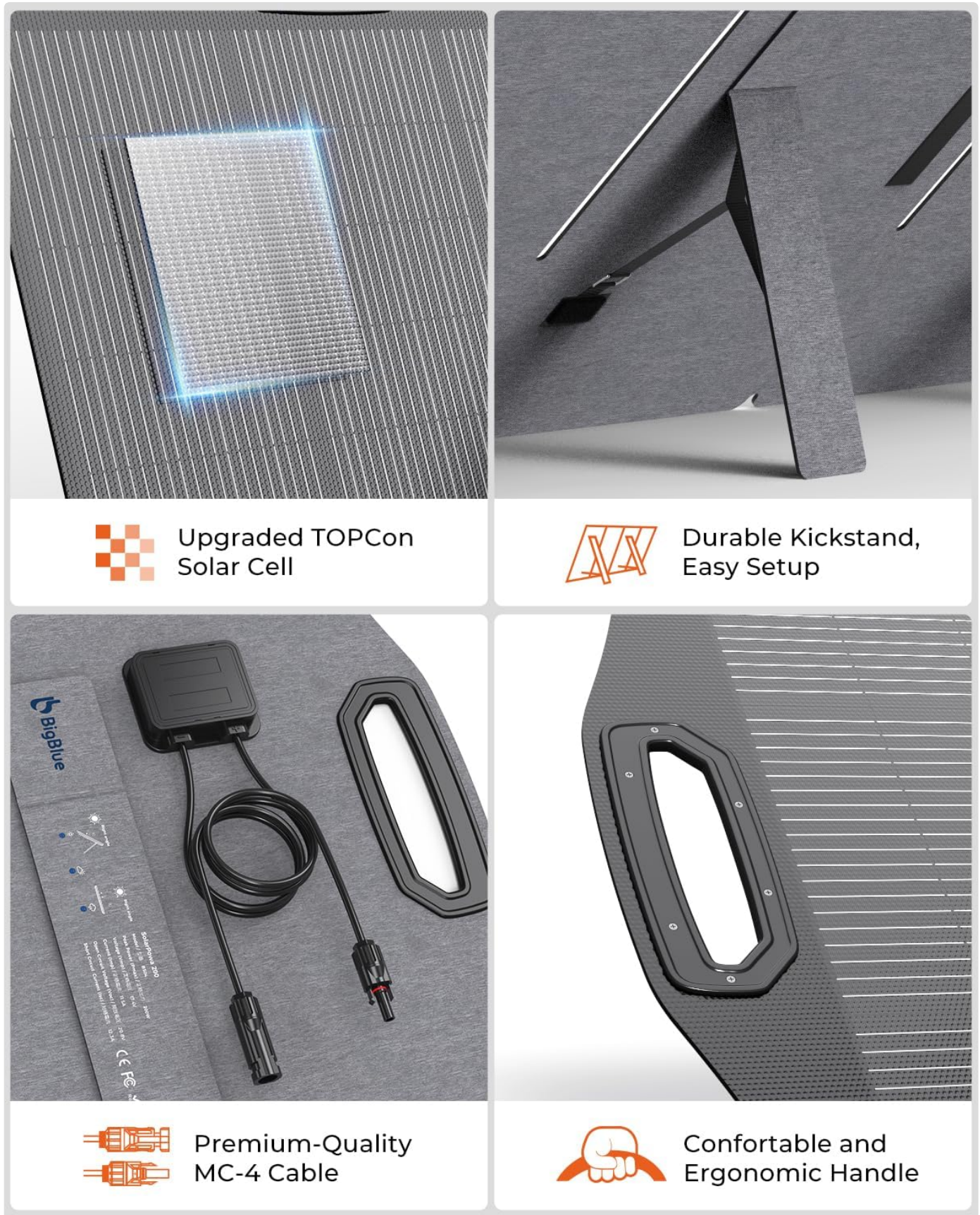
The BigBlue SolarPowa 200 Solar Panel Charger is a portable and efficient solution for generating clean energy. Designed for outdoor use, it features high solar conversion efficiency, robust weather resistance, and broad compatibility with various power stations. Its foldable design ensures easy transport and storage, making it ideal for camping, RV travel, and emergency power needs.



Figure 1: BigBlue SolarPowa 200 Solar Panel unfolded, showing the panel array and the included MC-4 to multi-connector cable.

2. PRODUCT FEATURES

- **High Solar Efficiency:** Utilizes N-Type solar technology and advanced manufacturing processes to achieve up to 25% conversion efficiency, optimizing power output even in low light conditions.
- **Weather-Resistant Durability:** Rated IP68 for waterproofing, crafted with high-quality ETFE materials, ensuring reliable performance in diverse weather conditions and offering exceptional durability.
- **Portable and Space-Saving:** Features a foldable design with compact dimensions (18.31x25.83x1.65 inches folded) and a lightweight build (11.46 lbs), making it easy to transport and store.
- **Wide Compatibility:** Equipped with MC-4 connector and MC-4 to DC551/8020/7909/ XT60 cable, allowing seamless integration with most portable power stations.
- **Integrated Kickstand:** Built-in kickstand enables easy angle adjustment for optimal sun exposure and maximum power output.



Upgraded TOPCon
Solar Cell



Durable Kickstand,
Easy Setup



Premium-Quality
MC-4 Cable



Comfortable and
Ergonomic Handle

Figure 2: Detailed view of the solar panel's key components, including the advanced solar cells, sturdy kickstand, and connection ports.

WIDE COMPATIBILITY

Compatible with most power station in the market

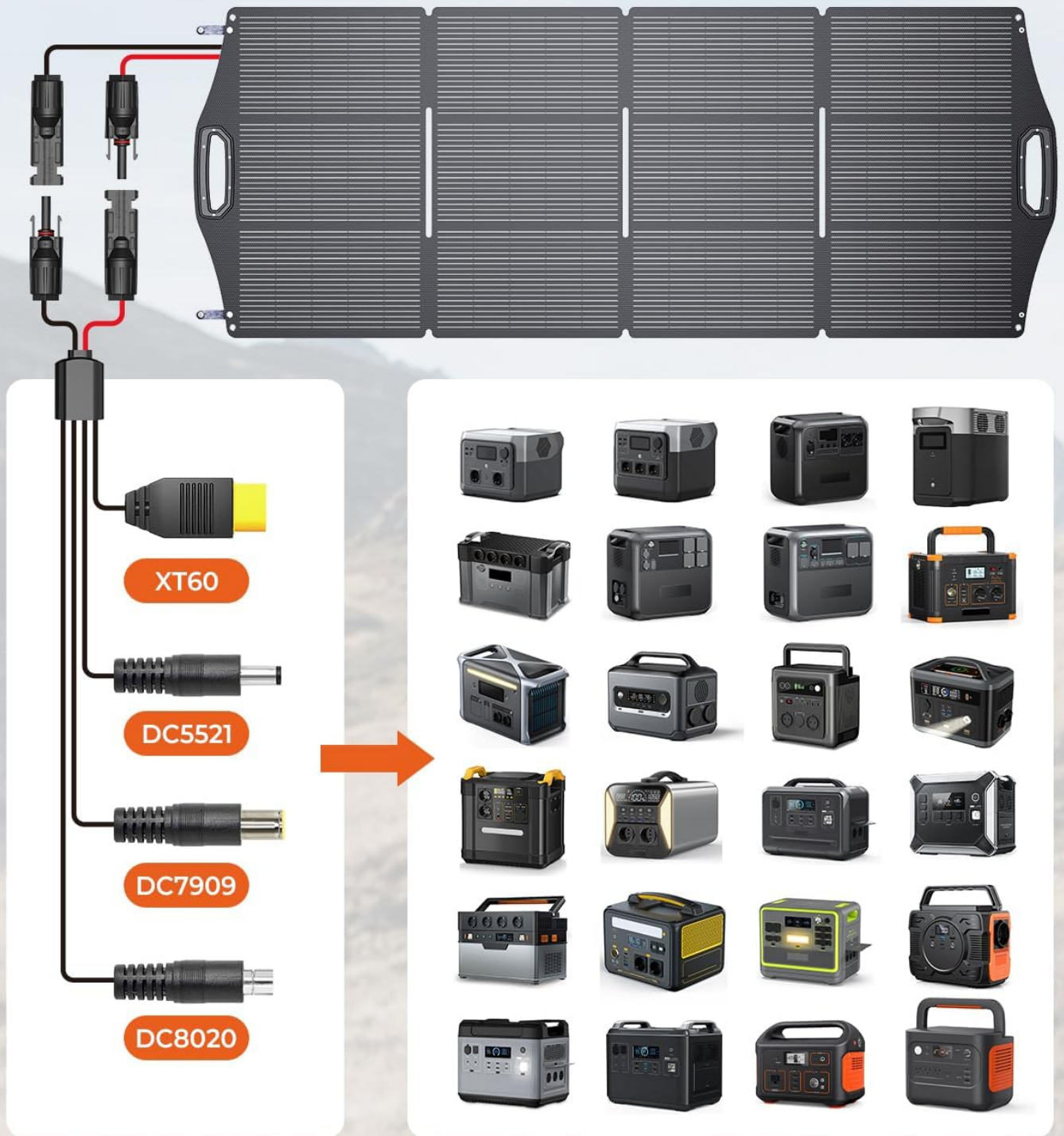


Figure 3: Illustration of the wide compatibility of the solar panel with different power station types using the provided adapter cables.

3. SETUP INSTRUCTIONS

1. **Unfold the Solar Panel:** Carefully unfold the BigBlue SolarPowa 200 panel on a flat, stable surface.
2. **Position for Optimal Sunlight:** Extend the integrated kickstands on the back of the panel. Adjust the angle of the panel to face directly towards the sun. For best results, ensure the panel is perpendicular to the sun's rays.

3. Connect to Power Station:

- Identify the appropriate connector on the included MC-4 to multi-connector cable that matches your power station's input port (DC5521, DC8020, DC7909, or XT60).
- Connect the MC-4 connectors from the solar panel to the MC-4 end of the adapter cable. Ensure a secure connection.
- Plug the other end of the adapter cable into the input port of your portable power station.

4. **Verify Charging:** Check your power station's display to confirm that it is receiving a charge from the solar panel.

HIGH-QUALITY AND DURABLE



Long-lasting
ETFE Coating



25%
Solar Efficiency



Better Light
Transmittance



Reduced Light-Induced
Degradation



Figure 4: The solar panel deployed with its kickstand, actively charging a power station in an outdoor setting.

4. OPERATING INSTRUCTIONS

Once set up, the BigBlue SolarPowa 200 operates automatically to convert sunlight into electrical energy. For optimal performance:

- **Sunlight Exposure:** Ensure the panel receives unobstructed sunlight throughout the charging period. Shadows, even partial ones, can significantly reduce efficiency.
- **Angle Adjustment:** Periodically adjust the panel's angle to maintain direct alignment with the sun as it moves across the sky.
- **Environmental Conditions:** While the panel is IP68 waterproof, avoid prolonged submersion. For best results, operate in temperatures within the specified range (refer to specifications).

EFFICIENT, RELIABLE, RENEWABLE



Open Circuit
Voltage
20.8V



Short Circuit
Current
12.3A



Nominal Operating
Cell Temperature
45°C

BigBlue SolarPowa 200



Others 200W-Solar panel
15%



Figure 5: The solar panel in operation, demonstrating its efficiency in converting solar energy for outdoor power needs.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your solar panel:

- **Cleaning:** Wipe the surface of the solar panel with a soft, damp cloth to remove dust, dirt, or debris. Avoid abrasive cleaners or harsh chemicals that could damage the ETFE coating.

- **Inspection:** Periodically inspect the panel and cables for any signs of damage, wear, or loose connections.
- **Storage:** When not in use, fold the panel and store it in a dry, cool place away from direct sunlight and extreme temperatures.

IP68 WATERPROOF & CORROSION-RESISTANT

Crafted with advanced lamination technology and durable ETFE material, ensuring long-lasting performance even in harsh environments.



Figure 6: The panel's waterproof surface, illustrating its easy-to-clean and durable ETFE material.

6. TROUBLESHOOTING

If you encounter issues with your BigBlue SolarPowa 200, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power output / Low power output	- Insufficient sunlight - Panel not optimally angled - Dirty panel surface - Loose or incorrect cable connection - Overcast weather	- Move panel to direct sunlight, away from shadows. - Adjust kickstand to face the sun directly. - Clean the panel surface with a damp cloth. - Ensure all cables are securely connected and the correct adapter is used. - Output will be lower in cloudy conditions; this is normal.
Panel feels hot	Normal operation under direct sunlight	This is normal. The panel is designed to withstand high temperatures. Ensure adequate ventilation around the panel.
Power station not recognizing input	- Incorrect adapter cable - Power station input port issue	- Verify you are using the correct adapter for your power station model. - Test the power station with another charging source if possible.

7. SPECIFICATIONS

Attribute	Value
Brand	BigBlue
Model Number	B504V
Maximum Power	200 Watts
Efficiency	25% (High Efficiency)
Material	ETFE, EVA
Product Dimensions (Unfolded)	67.28"L x 25.83"W x 0.14"H
Product Dimensions (Folded)	18.31"L x 25.83"W x 1.65"H
Item Weight	11.46 lbs
Connector Type	MC4
Included Components	MC4 TO DC551/8020/7909/ XT60 Cable
Maximum Voltage (Vmp)	17.4 Volts
Maximum Current (Imp)	11.5 Amps
Open Circuit Voltage (Voc)	20.8V
Short Circuit Current (Isc)	12.3A

Attribute	Value
Nominal Operating Cell Temperature (NOCT)	45°C
Waterproof Rating	IP68

8. WARRANTY AND SUPPORT

BigBlue provides a **2-Year Quality Guarantee** for this product. For any inquiries, technical assistance, or warranty claims, please contact BigBlue customer support.

Online Support: Visit the official BigBlue website or refer to the contact information provided in your product packaging for friendly online support.

Faster Shipping: Products purchased through Amazon benefit from faster shipping services.



Figure 7: BigBlue's commitment to quality, support, and efficient delivery.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question