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Ruko RK200

Ruko RK200 200W Portable Solar Panel User Manual

Model: RK200 | Brand: Ruko

INTRODUCTION

The Ruko RK200 200W Portable Solar Panel is a high-efficiency, foldable monocrystalline panel designed for versatile power generation. With a 23.5% conversion rate, an integrated charging expansion box, and IP67 waterproof rating, it provides reliable power for outdoor activities like RVing, camping, and during power outages. Its adjustable kickstands and lightweight design ensure ease of use and portability.

WHAT'S INCLUDED

Verify that all components are present in the package:

- 1 × Ruko RK200 200W Solar Panel
- 1 × 20V Charging Expansion Box
- 1 × 4-in-1 Charging Cable (MC4, Anderson Connector, XT60H-F Connector, DC7909 Connector)
- 1 × User Manual

SETUP

Unfolding and Positioning the Solar Panel

Carefully unfold the Ruko RK200 solar panel. The panel features integrated adjustable kickstands and magnetic handles for easy deployment and secure positioning.

Grab-and-Go Convenience


Foldable


Portable


Lightweight


Magnetic



Image: The Ruko RK200 solar panel folded, being carried by its magnetic handle, highlighting its portability.

Adjusting Kickstands for Optimal Sunlight

The solar panel is equipped with three adjustable kickstands, allowing for angles of 35°, 40°, and 45°. Adjust the kickstands to face the sun directly for maximum sunlight intake. For best results, position the panel to capture sunlight between 10:00 AM and 2:00 PM. Outside these hours, consider placing the panel flat.

Adjustable Stand to Absorb More Sunlight

3 Angles (35°/40°/45°) Available for Adjustment



Image: The Ruko RK200 solar panel with its adjustable kickstands set to a 35-degree angle, optimizing sun exposure.

Connecting to a Power Station or Devices

Connect the 4-in-1 charging cable to the solar panel's output port. Select the appropriate connector (MC4, Anderson, XT60H-F, or DC7909) for your power station or device. The charging expansion box provides additional USB and DC ports for direct device charging.

Durable 8-layer Lamination


IP67
Waterproof


23.5% Higher
Efficiency


Weather
Resistance


Corrosion
Prevention

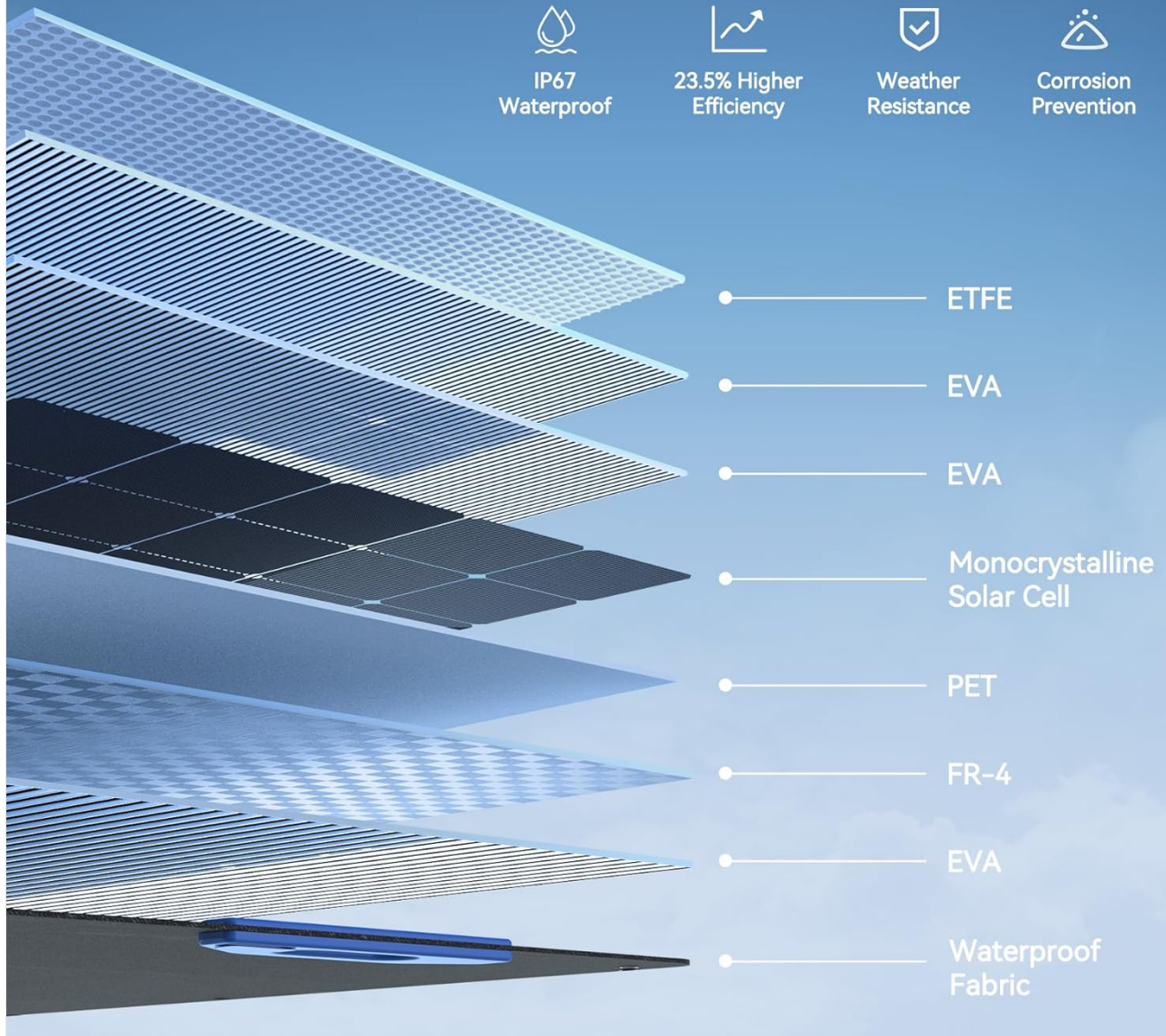


Image: The Ruko RK200 solar panel connected to a power station, which in turn is charging a drone battery and a smartphone through the charging expansion box.

OPERATING INSTRUCTIONS

Charging with the Solar Panel

Once properly set up and connected, the solar panel will begin converting sunlight into electrical energy. The 23.5% conversion efficiency ensures rapid charging of compatible power stations. Ensure the panel is in direct sunlight and free from obstructions for optimal performance.

Up to 23.5% Efficiency

Highly Efficient Monocrystalline Solar Cells

23.5%



Image: The Ruko RK200 solar panel deployed on the side of an RV, actively charging a power station, demonstrating its high efficiency.

Using the Charging Expansion Box

The included 20V charging expansion box allows you to charge devices directly without needing a power station. It features 1x PD5521 port, 1x 65W Type-C port, and 2x 18W USB-A ports. Connect your devices to these ports for flexible power on the go.



Image: A detailed view of the charging expansion box, showing its multiple output ports for various devices.

Series and Parallel Connection

The Ruko RK200 supports both series and parallel connections for increased power output or voltage, depending on your power station's requirements. Refer to your power station's manual for specific connection instructions. The 4-in-1 charging cable ensures wide compatibility with 98% of solar generators, including the Ruko R299 Power Station.

Wide Compability

Support Seris and Parallel Connection

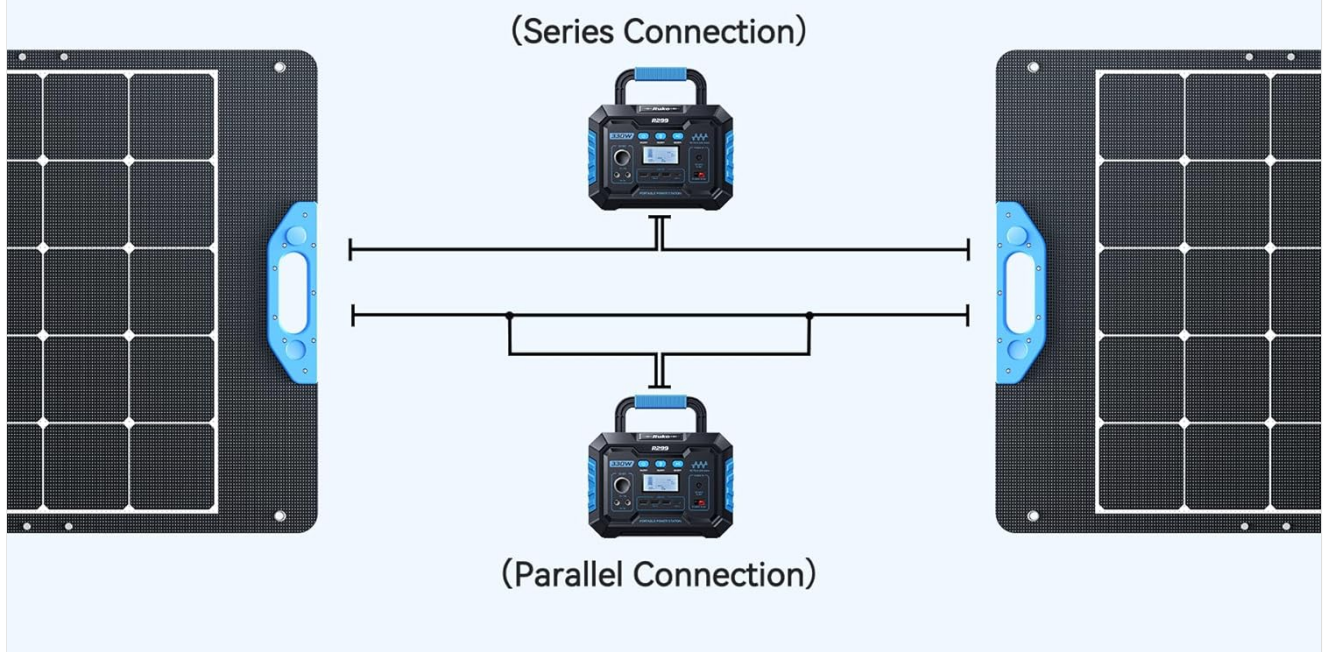


Image: An illustration demonstrating how to connect multiple Ruko solar panels in series or parallel to a power station, along with compatible connector types.

MAINTENANCE

Cleaning the Solar Panel

To maintain optimal efficiency, regularly clean the surface of the solar panel. Use a soft, damp cloth to wipe away dust, dirt, and debris. Avoid abrasive cleaners or harsh chemicals that could damage the panel's surface. The IP67 waterproof rating ensures durability against water and dust exposure.

Storage

When not in use, fold the solar panel and store it in a dry, cool place away from direct sunlight and extreme temperatures. The magnetic handle and compact design facilitate easy storage and transport.

TROUBLESHOOTING

- **No Power Output:**

- Ensure the solar panel is exposed to direct sunlight.
 - Check all cable connections for secure fit.
 - Verify that the connected power station or device is compatible and functioning correctly.
- **Low Power Output:**
 - Adjust the panel's angle using the kickstands to optimize sun exposure.
 - Clean the panel surface to remove any dirt or obstructions.
 - Ensure no shadows are cast on the panel.
 - **Overheating:**
 - While the panel is designed for outdoor use, avoid prolonged exposure to extreme heat without proper ventilation.

If issues persist, please contact Ruko customer support for assistance.

SPECIFICATIONS

Brand	Ruko
Model Number	RK200
Material	Monocrystalline Silicon
Maximum Power	200 Watts
Efficiency	23.5%
Maximum Voltage	12 Volts
Product Dimensions (Unfolded)	26.38"L x 20.1"W x 2.75"H
Item Weight	19 Pounds
Waterproof Rating	IP67
Connector Type	MC4 (via 4-in-1 cable)
Special Features	19lbs Lightweight, 23.5% Conversion Rate, 3 Adjustable Kickstands, Wide Compatibility, Easy to Install

CUSTOMER SUPPORT

For any questions, technical support, or assistance, please contact Ruko customer support:

Phone: +1 (888) 892-0155

Email: service@rukotoy.com

Operating Hours:

Mon-Fri: 8 AM to 2 AM (next day) (PST)

Sat-Sun: 8 AM to 5 PM (PST)



Ruko

Fast Customer Support

+1(888)892-0155 service@rukotoy.com

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Image: Ruko's customer support details, including phone number and email, for quick assistance.