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RYOBI RYSP14A

Ryobi 14W Solar Panel with 2 USB-A Ports (RYSP14A) Instruction Manual

Model: RYSP14A

1. INTRODUCTION

The Ryobi 14W Solar Panel (RYSP14A) offers a versatile, portable, and eco-friendly solution for powering your electronic devices while on the go. With its advanced technology, multiple charging options, and ease of use, it serves as a practical accessory for outdoor enthusiasts and anyone seeking a renewable energy source.

This solar panel is ideal for providing a portable power source during travel, whether hiking, camping, or engaging in other outdoor activities. Its foldable and lightweight design makes it easy to transport and store compactly, allowing you to take it wherever you need power.

The panel is equipped with advanced technology that allows direct charging of USB devices such as smartphones, tablets, and other gadgets, providing a power source for your small electronic devices.

2. SAFETY INFORMATION

- Read all instructions carefully before using the product.
- Do not expose the solar panel to extreme temperatures, direct flame, or corrosive substances.
- Avoid bending, puncturing, or dropping the solar panels, as this may damage the internal components.
- Keep the device out of reach of children and pets.
- Do not attempt to disassemble, modify, or repair the product yourself. Contact qualified service personnel if maintenance is required.
- Ensure all connections are secure before use to prevent electrical hazards.
- Use only compatible USB cables and devices with the solar panel.

3. PRODUCT OVERVIEW

Components

- Foldable Solar Panels

- Integrated Pouch with 2 USB-A Output Ports
- Attachment Loops (for hanging or securing)

Features

- **14W Power Output:** Provides sufficient power for portable charging.
- **2 USB-A Ports:** Allows simultaneous charging of two USB-compatible devices.
- **Foldable and Lightweight Design:** Enhances portability and compact storage.
- **Advanced USB Charging Technology:** Optimizes charging for various electronic gadgets.
- **Ryobi ONE+ Battery Compatibility:** Can charge Ryobi ONE+ batteries when connected to a compatible Ryobi RY18BI150B inverter (sold separately) using a USB-A to USB-C cable (not included).



Figure 3.1: The Ryobi 14W Solar Panel in its unfolded state, displaying the solar cells and the integrated pouch with USB ports.



Figure 3.2: The Ryobi 14W Solar Panel folded for compact storage and transport.

4. SETUP

- 1. Unfold the Solar Panel:** Carefully unfold the solar panel sections until they are fully extended.
- 2. Position for Maximum Sunlight:** Place the unfolded solar panel in a location that receives direct, unobstructed sunlight. For optimal performance, ensure the panels are angled directly towards the sun.
- 3. Secure the Panel (Optional):** Use the integrated attachment loops to secure the panel to a backpack, tent, or other stable surface to prevent it from shifting or being blown away by wind.
- 4. Connect Your Device:** Open the integrated pouch and locate the two USB-A output ports. Connect your electronic device (e.g., smartphone, tablet) to one of the USB-A ports using its compatible USB charging cable (not included).
- 5. Charging Ryobi ONE+ Batteries (Optional):** To charge Ryobi ONE+ batteries, you will need a Ryobi RY18BI150B inverter (sold separately) and a USB-A to USB-C cable (not included). Connect the solar panel's USB-A port to the RY18BI150B inverter's USB-C input. Then, connect your Ryobi ONE+ battery to the inverter.



Figure 4.1: Connecting a device to one of the solar panel's USB-A ports.

5. OPERATING INSTRUCTIONS

1. Once the solar panel is unfolded and positioned in direct sunlight, and your device is connected, charging should begin automatically.
2. Monitor your device's charging indicator to confirm that power is being received.
3. For optimal charging speed, ensure the solar panels are continuously exposed to direct sunlight and are not shaded by objects. Adjust the panel's angle throughout the day as the sun moves.
4. When charging Ryobi ONE+ batteries via the RY18BI150B inverter, refer to the inverter's manual for specific charging indicators and procedures.
5. When charging is complete, disconnect your device from the USB port.



Figure 5.1: The solar panel in use, charging a device while positioned on a chair in sunlight.



Figure 5.2: The solar panel attached to a backpack, demonstrating portability and charging during outdoor activities.



Figure 5.3: The solar panel connected to a Ryobi RY18BI150B inverter, illustrating its compatibility with the Ryobi ONE+ system.

6. MAINTENANCE

- **Cleaning:** Gently wipe the solar panels with a soft, damp cloth to remove dust, dirt, or debris. Do not use abrasive cleaners or harsh chemicals, as these can damage the panel surface.
- **Storage:** When not in use, fold the solar panel compactly and store it in a dry, cool place away from direct sunlight and extreme temperatures.
- **Inspection:** Periodically inspect the panel and cables for any signs of damage, wear, or fraying. Do not use if damaged.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device not charging	Insufficient sunlight Incorrect connection Damaged cable/device Overcast conditions	Relocate panel to direct sunlight Ensure cable is securely connected to both panel and device Try a different cable or device Wait for clearer weather
Slow charging speed	Partial shading Suboptimal panel angle Low sun intensity High power demand from device	Ensure full sun exposure Adjust panel angle to face the sun directly Charging speed is dependent on sunlight intensity Charge one device at a time if necessary
Panel feels warm	Normal operation in direct sunlight	This is normal. Ensure adequate ventilation around the panel.

8. SPECIFICATIONS

Brand	RYOBI
Model Number	RYSP14A
Max Power Output	14 Watt
USB Ports	2 x USB-A
Compatible Devices	Mobile Phone, Tablet, Speaker
Special Features	Lightweight design, Travel-friendly
Material	Silicone
Color	Black
Manufacturer	Ryobi
Country of Origin	China

9. WARRANTY AND SUPPORT

For warranty information, technical assistance, or customer support regarding your Ryobi 14W Solar Panel (RYSP14A), please refer to the warranty card included with your product or visit the official Ryobi website. Ryobi is part of Techtronic Industries (TTI), a global leader in power tools and accessories, committed to providing quality products and support.

You can typically find contact details for customer service and support resources on the Ryobi brand website specific to your region.

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