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> [Pecron 200W Portable Foldable Solar Panel Instruction Manual](#)

pecron LL-YT200W

Pecron 200W Portable Foldable Solar Panel Instruction Manual

Model: LL-YT200W

INTRODUCTION

This manual provides essential instructions for the safe and efficient use of your Pecron 200W Portable Foldable Solar Panel (Model LL-YT200W). Please read this manual thoroughly before operating the device and retain it for future reference. This solar panel is designed to convert sunlight into electrical energy, providing a portable power source for various applications, especially when paired with compatible Pecron power stations.

WHAT'S IN THE BOX

Upon unpacking, please ensure all items listed below are present and in good condition. If any items are missing or damaged, contact customer support.

- 1x Pecron 200W Solar Panel
- 1x Carry Case
- 1x User Manual
- 1x 2-in-1 GX16-4 Aviation Cable (integrated)

WHAT'S IN THE BOX

1*200W Solar Panel 1*Case 1*User Manual



Image: The Pecron 200W Solar Panel, folded in its carry case, alongside the user manual.

KEY FEATURES

- **High Conversion Efficiency:** Up to 21% efficiency, converting more sunlight into usable energy.
- **Portable & Foldable Design:** Lightweight (approximately 13.6 lbs) and folds compactly for easy transport and storage.
- **Durable Construction:** Monocrystalline silicon panels with IP67 waterproof rating for outdoor use.
- **Integrated Connectivity:** Equipped with a 2-in-1 GX16-4 aviation cable for direct connection to compatible Pecron power stations.
- **Parallel Charging Capability:** Allows for connecting multiple Aurora200 panels in parallel to increase charging speed.
- **Built-in Kickstands:** Adjustable kickstands for optimal angle positioning towards the sun.

200W OUTPUT SOLAR PANEL



48.9V

Open circuit Voltage



23%

Convert efficiency



200W

Output



Image: Unfolded solar panel showing key output specifications.

SETUP INSTRUCTIONS

- 1. Unfold the Solar Panel:** Carefully unbuckle the straps and unfold the solar panel completely on a flat surface.
- 2. Position the Panel:** Extend the integrated kickstands on the back of the panel. Adjust the angle of the panel to face the sun directly for maximum efficiency.
- 3. Connect to Power Station:** Locate the 2-in-1 GX16-4 aviation cable stored in the zippered pouch on the back of the panel. Connect the male connector of this cable directly to the solar input port of your compatible Pecron portable power station (e.g., E600LFP, E1500LFP, E2000LFP, S1500).
- 4. Parallel Connection (Optional):** If using multiple Pecron 200W solar panels for increased charging speed, connect the female connector of the GX16-4 aviation cable from the first panel to the male connector of the second panel, and so on. Ensure proper polarity.



PECRON 200W SOLAR PANELS

Clean Power for You Daily Life



Image: The solar panel deployed and ready for use in an outdoor setting.



Kickstand



Carry Bag



Handle



MC4 Connector

Image: Detailed view of the panel's kickstand, carry bag, handle, and MC4 connector for easy setup and transport.

OPERATING INSTRUCTIONS

- **Optimal Sunlight:** For best performance, ensure the solar panel is positioned in direct sunlight without any shading. Adjust the angle throughout the day to follow the sun's path.
- **Monitoring Charge:** Monitor the charging status on your connected Pecron power station. The power station's display will indicate the incoming solar wattage.
- **Environmental Conditions:** The panel operates efficiently in various conditions, but extreme temperatures (outside -10°C to 65°C) may affect performance.
- **Disconnection:** When finished charging or storing, disconnect the solar panel from the power station before folding it.

MAINTENANCE

- **Cleaning:** Regularly clean the surface of the solar panels with a soft, damp cloth to remove dust, dirt, or debris that may reduce efficiency. Avoid abrasive cleaners or harsh chemicals.
- **Storage:** When not in use, fold the solar panel and secure it with the integrated buckles. Store it in a cool, dry place away from direct sunlight and extreme temperatures.
- **Waterproof Rating:** The panel has an IP67 waterproof rating, meaning it is protected against dust and temporary immersion in water. However, prolonged exposure to heavy rain or submersion is not recommended. Ensure connectors are dry before use.



Image: Demonstration of the solar panel's IP67 waterproof capability in outdoor conditions.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No power output from solar panel.	<ul style="list-style-type: none">• Insufficient sunlight or shading.• Incorrect connection to power station.• Damaged cable or panel.	<ul style="list-style-type: none">• Reposition panel in direct sunlight, clear any obstructions.• Ensure the GX16-4 cable is securely connected to both the panel and the power station.• Inspect cables and panel for visible damage. Contact customer support if damage is found.

Problem	Possible Cause	Solution
Low power output.	<ul style="list-style-type: none"> • Partial shading. • Panel not optimally angled towards the sun. • Dirty panel surface. • Cloudy weather or low sun angle. 	<ul style="list-style-type: none"> • Ensure full panel exposure to sunlight. • Adjust kickstands to optimize angle. • Clean the panel surface. • Output will naturally be lower in non-ideal weather conditions.

SPECIFICATIONS

Feature	Detail
Model Number	LL-YT200W (PECRON PV200)
Cell Type	Monocrystalline Silicon
Nominal Power	200W \pm 5%
Operating Voltage	38.8V \pm 5%
Operating Current	5.24A \pm 5%
Open-Circuit Voltage (Voc)	45V \pm 5%
Short-Circuit Current (Isc)	5.66A \pm 5%
Cell Efficiency	\geq 22%
Working Temperature	-20°C to +60°C
Ingress Protection (IP) Rating	IP67
Fold Dimension	597*610*42 \pm 1mm / 23.5*24*1.7in
Unfold Dimension	2220*610*27 \pm 1mm / 87.4*24*1.1in
Item Weight	17.6 Pounds (approx. 7.98 kg)

200W MONOCRYSTALLINE SOLAR PANELS

Technical Parameters	
Model Number	PECRON PV200
Cell Type	Monocrystalline
Nominal Power	200.0W±5%
Operating Voltage	38.8V±5%
Operating Current	5.24A±5%
Open-Circuit Voltage (Voc)	45V±5%
Short-Circuit Current (Isc)	5.66A±5%
Cell Efficiency	≥22%
Working Temperature	-20°C~+60°
Ingress Protection (IP) Rating	IP67
Fold Dimension	597*610*42±1mm/23.5*24*1.7in
Unfold Dimension	2220*610*27±1mm/87.4*24*1.1in

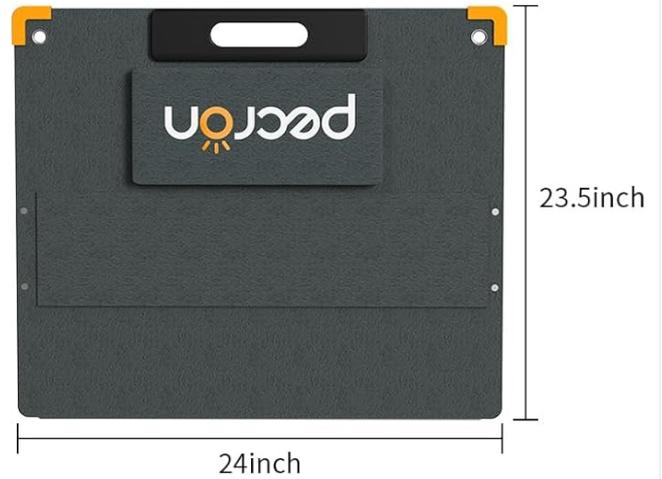


Image: Detailed technical parameters and physical dimensions of the solar panel.

WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the official Pecron website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

Official Pecron Website: www.pecron.com