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› LVYUAN 200W Portable Solar Panel CSUL-200W Instruction Manual

LVYUAN CSUL-200W

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Model: CSUL-200W

INTRODUCTION

Thank you for choosing the LVYUAN 200W Portable Solar Panel, model CSUL-200W. This manual provides essential information for the safe and efficient use of your solar panel. Please read it thoroughly before operation and keep it for future reference.

This portable solar panel is designed for high efficiency and durability, featuring a foldable design for easy transport and storage. It offers variable voltage output to accommodate various portable power stations and devices.

SAFETY INFORMATION

- Do not immerse the solar panel in water. While it has IP64 dust and splash resistance, it is not fully waterproof.
- Avoid dropping or subjecting the panel to strong impacts.
- Do not attempt to disassemble or modify the solar panel. This will void the warranty and may cause damage or injury.
- Ensure proper ventilation when operating, especially in hot environments.
- Keep the panel away from open flames or extreme heat sources.
- Before connecting to a portable power station, verify that the power station's maximum input voltage and current are compatible with the solar panel's output. Incompatible connections can damage your power station.
- Store the panel indoors during heavy rain or when not in use for extended periods to prolong its lifespan.

PACKAGE CONTENTS

Please check that all items are present in your package:

- LVYUAN CSUL-200W Solar Panel x 1
- MC4 to DC5521 Cable x 1
- DC5521 to XT60 Conversion Plug x 1
- MC4 Parallel Connector (T-type) x 2
- Instruction Manual (Japanese)

PRODUCT FEATURES

- **High Conversion Efficiency:** Utilizes advanced monocrystalline silicon cells with up to 22.5% conversion efficiency.
- **Durable Construction:** Features a short-ribbon cell design and high-transmittance PET material for enhanced outdoor durability. The design eliminates fragile metal ribbons, improving reliability.
- **Variable Voltage Output:** Supports both DC23.6V/11A and DC47.2V/5.5A output modes, allowing compatibility with a wide range of portable power stations.
- **Foldable and Portable:** Compact storage size of approximately 58 x 55 cm and a lightweight design (approx. 7 kg) for easy transport and setup.
- **IP64 Rated:** Provides protection against dust ingress and water splashes, suitable for various outdoor conditions.
- **Series and Parallel Connection:** Capable of series and parallel connections to meet different power requirements.



Image: The LUYUAN 200W foldable solar panel (7.0kg) is significantly lighter than a standard 200W panel (11.4kg), demonstrating its portability.

高透過PET素材で発電を最大化

発電量は80%以上に達成可能※1

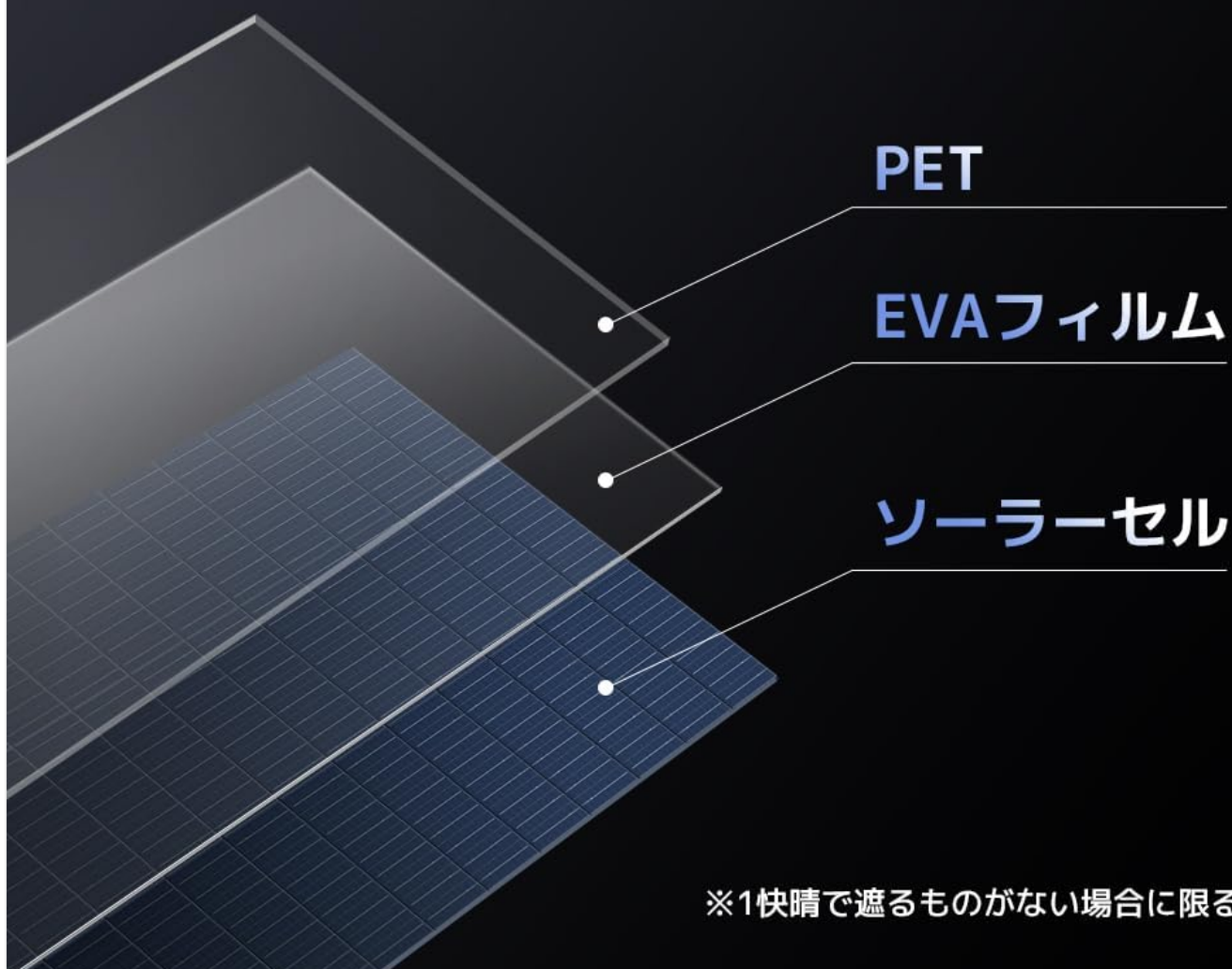


Image: Cross-section diagram illustrating the high-transmittance PET material, EVA film, and solar cells that contribute to maximum power generation.

耐摩耗布製のケースでソーラーパネルを保護。

細部にまで気を配り、
製品の長寿命を保ちます。

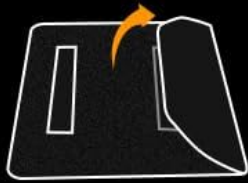


SETUP

1. **Unfold the Panel:** Place the folded solar panel on a flat, stable surface. Open the rear bracket to support the panel.
2. **Position the Panel:** Unfold the solar panel sections sequentially. Adjust the angle of the solar panel to face the sun directly for optimal power generation. An angle of approximately 90 degrees to the sun's rays is generally recommended.
3. **Connect to Device:**
 - Connect the MC4 connectors from the solar panel to the MC4 to DC5521 cable.
 - If your portable power station requires an XT60 input, attach the DC5521 to XT60 conversion plug to the DC5521 cable.
 - Connect the appropriate cable/plug to your portable power station's input port.
4. **Multiple Panel Connection (Optional):**
 - **Parallel Connection (23.6V):** Use the provided MC4 parallel connectors (T-type) to connect multiple solar panels in parallel. This increases the current while maintaining the voltage at 23.6V. Ensure your power station supports the combined current.
 - **Series Connection (47.2V):** Connect multiple solar panels in series. This increases the voltage to 47.2V while maintaining the current. Ensure your power station supports the higher voltage.

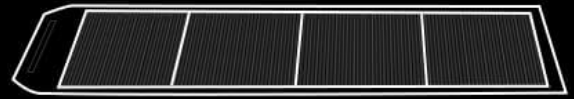
Important Note: Before connecting, always confirm the maximum input voltage and current specifications of your portable power station to prevent damage. The panel offers DC23.6V/11A and DC47.2V/5.5A output options. Ensure your power station can handle these inputs.

展開と収納が簡単、 手軽に使用・保管可能



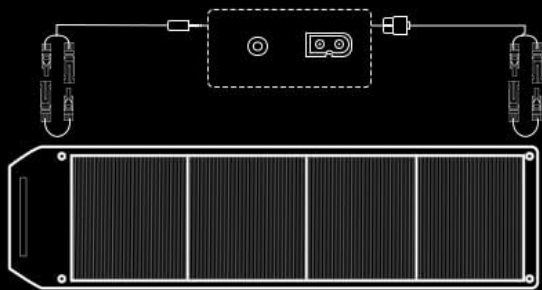
01 TIN

背面ブラケットを開く



02 TIN

ソーラーパネルを順番に開く

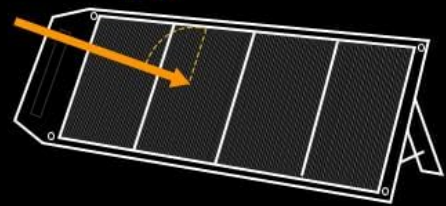


03 TIN

充電機器とソーラーパネルを接続します



90°



04 TIN

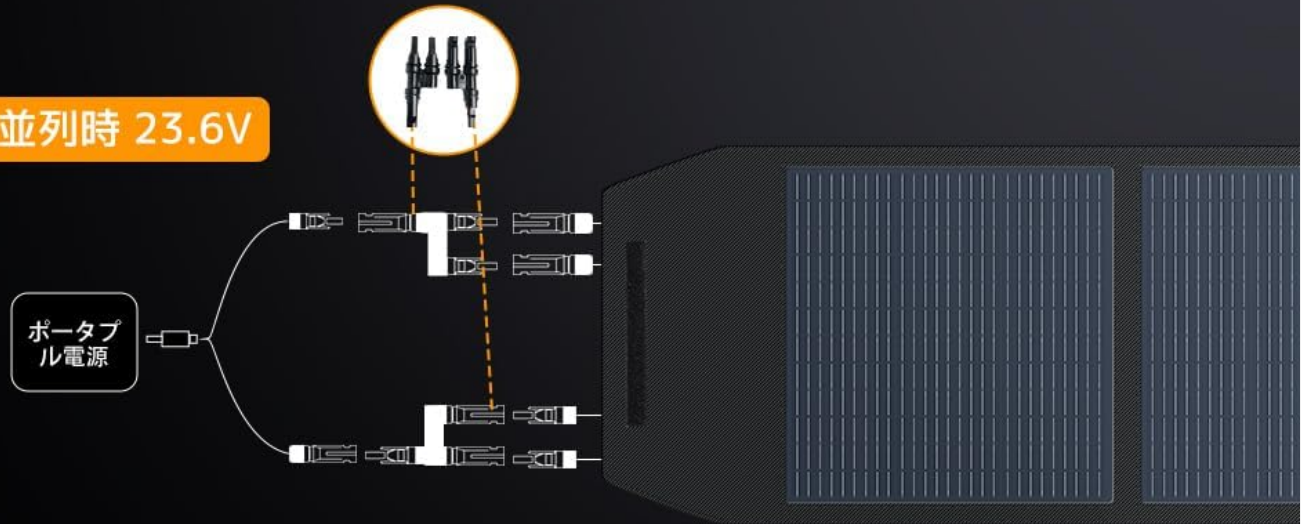
ソーラーパネルの角度を調整する

Image: Visual guide for unfolding the panel, connecting it to a charging device, and adjusting its angle for optimal sunlight exposure.

可変電圧設計の200Wソーラーパネル

ポータブル電源のアップグレード時にソーラーパネルを交換する必要がありません。

並列時 23.6V



直列時 47.2V

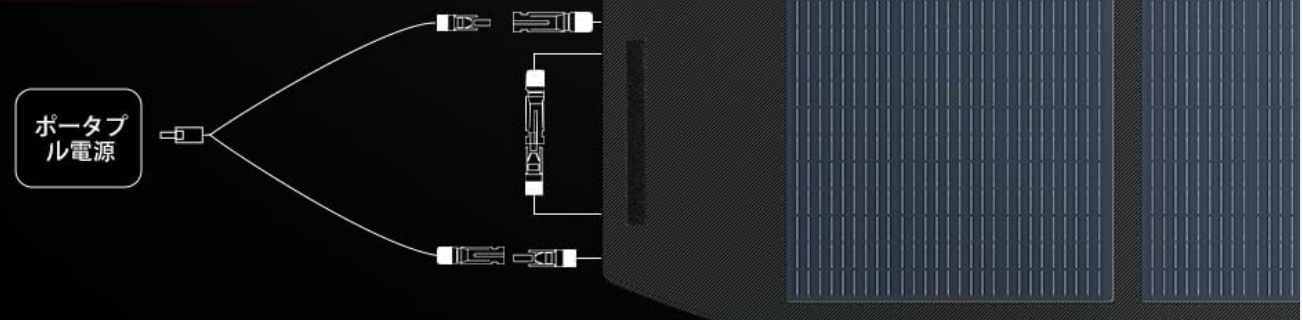


Image: This diagram shows how to connect the solar panel in parallel for 23.6V output and in series for 47.2V output, adapting to different power station requirements.

OPERATING INSTRUCTIONS

Once the solar panel is set up and connected to your portable power station, it will begin generating electricity when exposed to sunlight. Follow these guidelines for optimal performance:

- **Sunlight Exposure:** Ensure the solar panel is placed in direct sunlight without any shadows or obstructions. Even partial shading can significantly reduce power output.
- **Angle Adjustment:** Periodically adjust the panel's angle throughout the day to maintain direct exposure to the sun as it moves across the sky.
- **Monitoring Output:** Most portable power stations display the input power. Monitor this to ensure the panel is generating power effectively.
- **Variable Voltage Selection:** The panel automatically outputs either 23.6V or 47.2V depending on the connection configuration (parallel or series). Ensure your power station is set to accept the corresponding voltage if it has a selection option.

可変電圧仕様、より多くの デバイスに適応可能

DC23.6V 11A/47.2V 5.5Aを切り替え可能。



*ポータブル電源またはソーラーコントローラのパラメータを確認する必要があります。

Image: The solar panel's variable voltage feature allows it to adapt to different portable power stations, supporting both DC23.6V and DC47.2V inputs.

4個直列で1時間に **640KWH**以上を発電できる

※ソーラーパネルは最大500Vの直列電圧に対応し、最大10枚の直列接続が可能。
※並列接続の最大数は、充電機器と接続ケーブルが流せる最大電流によって異なります。



※発電量は、光と設置角度に影響される。発電量が少ない場合は、アフターサービスにお問い合わせください。

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your solar panel.

- **Cleaning:** Regularly wipe the surface of the solar panel with a soft, damp cloth to remove dust, dirt, or debris. Avoid abrasive cleaners or harsh chemicals.
- **Inspection:** Periodically inspect the panel for any physical damage, such as cracks, dents, or frayed cables. Ensure all connections are secure.
- **Storage:** When not in use, especially during adverse weather conditions (heavy rain, snow, strong winds) or for long periods, fold the panel and store it in a dry, cool, and protected indoor environment.
- **Water Exposure:** While the panel is IP64 rated for splash resistance, do not expose it to prolonged heavy rain or immerse it in water.

IP64の防水性能で、
水しぶきを防ぐことができる。

※長持ちさせるため、雨天時は室内保管をおすすめします。製品は
水に浸さないでください。

耐摩耗布製のケースでソーラーパネルを保護。

細部にまで気を配り、
製品の長寿命を保ちます。



Image: The durable, abrasion-resistant fabric case protects the solar panel, contributing to its long lifespan. The integrated kickstand allows for easy positioning.

TROUBLESHOOTING

- **No Power Output:**

- Ensure the panel is in direct sunlight and not shaded.
- Check all cable connections to ensure they are secure and correctly inserted.
- Verify that the portable power station's input specifications match the solar panel's output (23.6V or 47.2V).
- Inspect cables for any damage.

- **Low Power Output:**

- Adjust the panel's angle to face the sun directly.
- Clean the panel surface to remove any dirt or dust that may be obstructing sunlight.
- Ensure no shadows are cast on the panel.
- Cloudy weather or low light conditions will naturally result in lower output.

- **Panel Overheating:**
 - Ensure the panel has adequate airflow around it.
 - If the panel feels excessively hot, move it to a cooler, shaded area temporarily to cool down.

SPECIFICATIONS

Specification	Value
Model Number	CSUL-200W
Maximum Output	200W
Open Circuit Voltage (Parallel Connection)	DC23.6V
Short Circuit Current (Parallel Connection)	11A
Open Circuit Voltage (Series Connection)	DC47.2V
Short Circuit Current (Series Connection)	5.5A
Module Conversion Efficiency	Approx. 22.5%
Waterproof/Dustproof Level	IP64
Cell Type	Monocrystalline Silicon
Output Connector	MC4 Connector
Storage Size (L x W x H)	58cm x 55cm x 3.5cm
Unfolded Size (L x W)	245cm x 58cm
Weight	Approx. 7KG
UPC	738349778518

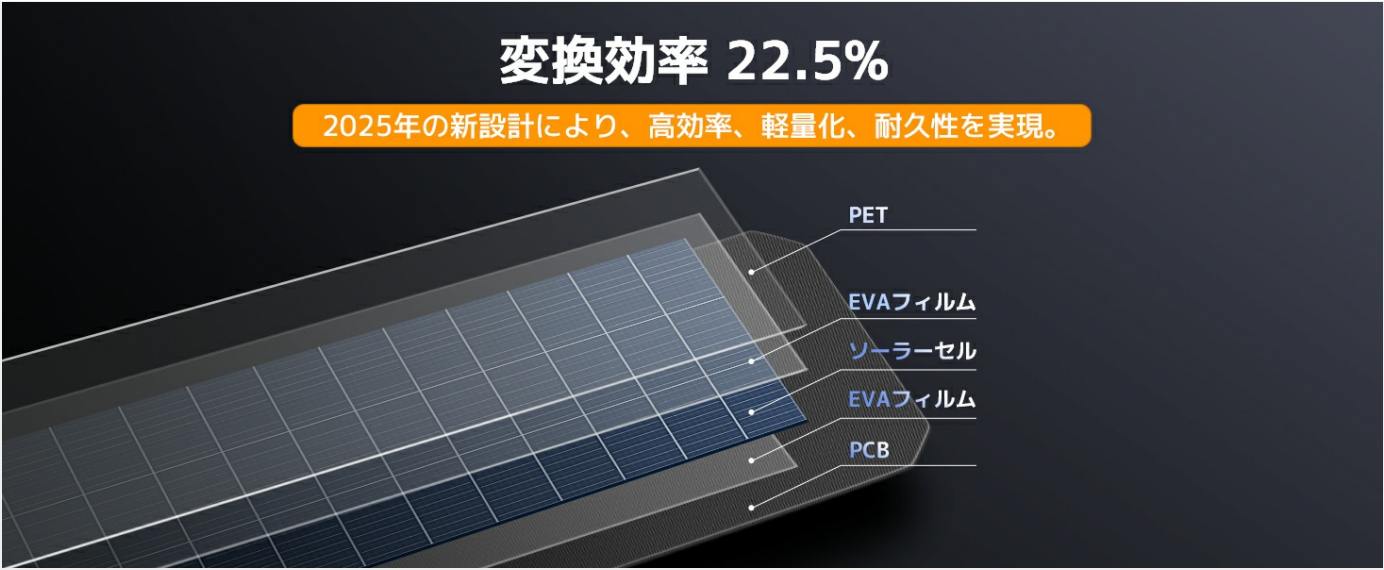


Image: Visual representation of the product's dimensions when stored and unfolded, along with a summary of key specifications.

WARRANTY AND SUPPORT

LVYUAN provides comprehensive customer support for its products.

- **Manufacturer's Warranty:** The product comes with a 1-year manufacturer's warranty.
- **Free Replacement:** Free replacement is available during the warranty period for eligible issues.
- **Dedicated Support:** Professional staff are available to assist with inquiries and resolve issues promptly via phone or email.

For support, please refer to the contact information provided with your purchase or visit the official LVYUAN website.

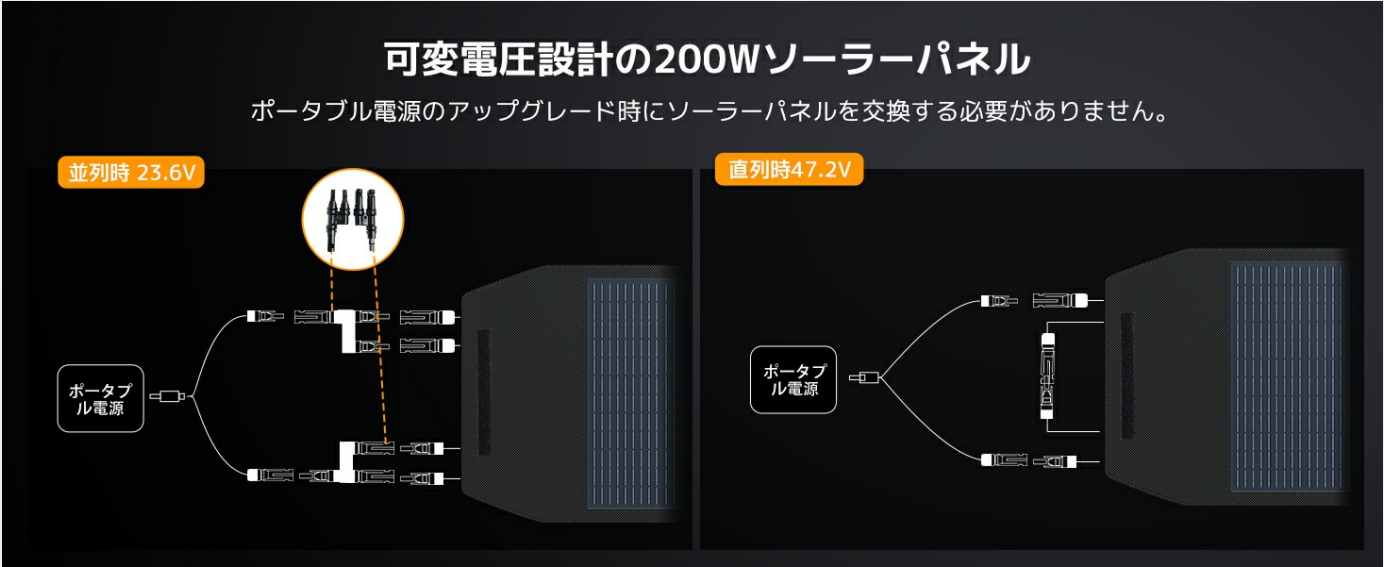


Image: LVYUAN offers high-quality after-sales service, including a 1-year warranty and dedicated support to resolve customer issues.

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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