

Portable Solar Panel USER MANUAL



Professional Power Supply Solutions

www.akyga.com

Preface

Thanks for purchasing our 100W/200W Solar Panel, please read this user manual carefully before using.

This solar panel charger is compatible with our power station. It is suitable for any occasion where you can expose it to sun. It is highly efficient in charging, easy to use, safe, environment-friendly, and energy-efficient.

Package Contents

- 1*Solar Panel
- 1*User Manual

Safety Tips

- * Do not drop or bend the solar panel (the angle is more than 30°) or the panel will be broken.
- * Do not immerse the solar panel in water.
- * Do not clean the solar panel with water, with the wet cloth gently scrub it.
- * Do not user or store the solar panel near sources of heat such as a fire or heater.
- * Do not put the solar panel into a fire or apply direct heat to it.
- * Do not pierce the solar panel casing with a nail or other sharp object, break it open with a hammer, or step on it.
- * Do not attempt to disassemble the solar panel in any way.
- * This product cannot contact with strong corrosive objects.
- * Do not charge automotive battery directly.

Feature

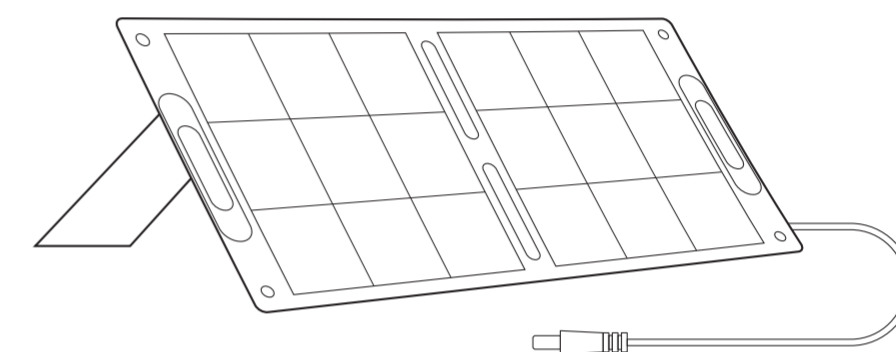
- Environment-friendly, practical and convenient for outdoor emergency power supply.
- Foldable design with portable size, easy to carry with just single hand.
- The high-quality solar mono-crystalline silicon provides high charging efficiency and long service life.
- The product is compatible with power station. You can convert and store solar power in power station in the day and charge devices at night. The power station is designed with multiple ports for AC, DC, USB and car charger to meet your demand of outdoor power supply.

100W/18V

Product Parameters

Product Code	AK-PS-P01
Peak Power	100W
Cell Conversion Efficiency	23%
Optimum Operating Voltage(Vmp)	18V
Optimum Operating Current(Imp)	5.6A
Open Circuit Voltage(Voc)	23.4V
Short Circuit Current(Isc)	6.27A
Operating Temperature	-40°C ± 85°C
Output Connector	DC5.5*2.1mm
Folding Number	2
Dimension(unfolded)	1230*560mm
Dimension(folded)	615*560*35mm
Weight	4.4 kg

Product Diagram

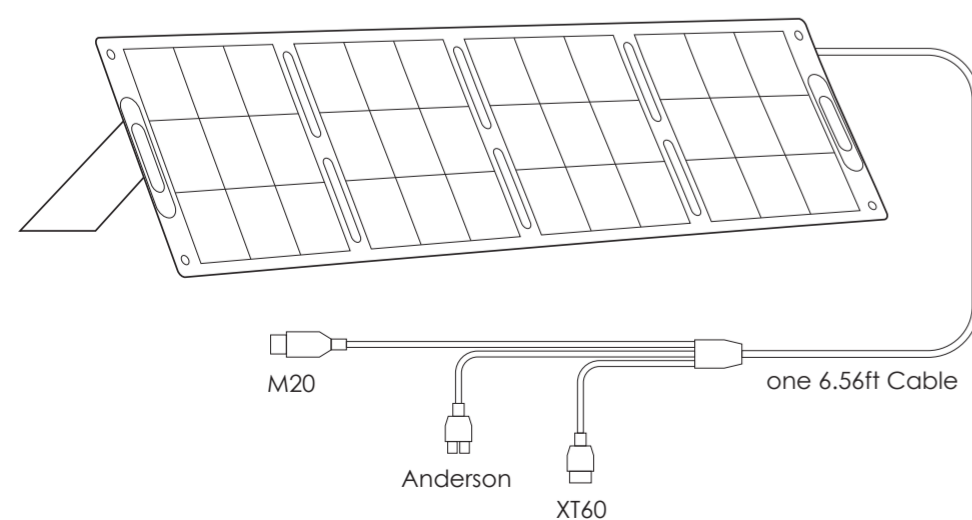


200W/18V

Product Parameters

Product Code	AK-PS-P02
Peak Power	200W
Cell Conversion Efficiency	23%
Optimum Operating Voltage(Vmp)	18V
Optimum Operating Current(Imp)	11A
Open Circuit Voltage(Voc)	23.4V
Short Circuit Current(Isc)	12.34A
Operating Temperature	-40°C ± 85°C
Output Connector	M20/XT60/Anderson connectors
Folding Number	4
Dimension(unfolded)	2390*564mm
Dimension(folded)	635*564*50mm
Weight	6.7 kg

Product Diagram



FAQ

Q: How to choose the suitable solar panel?

1. The output power of solar panels should fit the recommended power.
2. The max open circuit voltage is not able to exceed in the max input voltage of power station.
3. The gross output voltage of solar panels should be between the recommended working voltage.
When using multiple solar panels in series. Please make sure that the accumulated maximum voltage and current of the solar panels does not exceed in the maximum voltage and current of the power station.

Q: What factors may affect the solar conversion efficiency?

1. The weather condition.
2. Working environment temperature.
3. The length of solar panels.
4. The angle from the panels to sunlight.

Q: Is it waterproof?

In order to maximize the lifespan of the solar panel, please try not to get it wet or soak the solar panel into water.

Warranty & Customer Service Support

Thanks for purchasing our 100W solar panel charger. It is covered a warranty of 12 months from the date of its original purchasing.

If you have any questions about it. Please feel free to contact us.

Please note, we can only provide after sales service for products purchased directly from us. If you have purchased from other seller, please contact them directly for service or warranty issue.

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