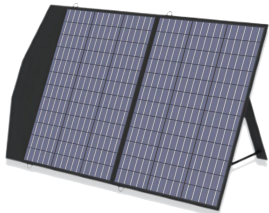


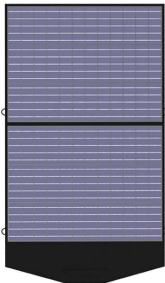
SPECIFICATION

TECHNICAL DATA SHEET

100W Folded Solar Panel



CET-SP100



1 > Product Size

◇ Unfolded Size: 1190mm*650mm ± 10mm

◇ Net Weight: 3.65kg ± 0.3kg

◇ Folded Size: 650mm*510mm ± 10mm

◇ Output Interface: MC4 Output (Line Length: 90cm)

2 > Product Details

◇ Performance parameter table

Item	Parameter	
Peak Power	100W ± 5%	1. Manufacturing process (1) PET laminated polycrystalline silicon solar panels. 2. Important Safeguards (1) This product can't contact with strong corrosive objects. (2) To prevent the hard objects from scratching the surface during operation (3) The product can't endure the bending force during transportation and assembly.
Open Circuit Voltage (Voc)	DC:22.5V ± 10%	
Short Circuit Current (Ioc)	DC:6.05A ± 10%	
Maximum Power Voltage (Vmp)	DC:18V ± 10%	
Maximum Power Current (Imp)	DC:5.5A ± 10%	
Solar Energy Conversion Rate	19%-22%	
Ambient Temperature (TEMP)	24-hour sun exposure with bottom shell internal testing	

◇ Test Conditions

Data under standard testing conditions(STC): 1000W/m², AM1.5, 25°C(38000-40000LUX)

◇ Other Instructions

- Due to the significant discreteness of crystal silicon characteristic parameters, there are differences in electrical performance under low light conditions
- The output voltage of solar cells depends on factors such as the working voltage and power of the load, or the nominal voltage of the battery
- This product should not come into contact with highly corrosive substances
- Avoid scratching the surface with hard objects during use
- Cannot withstand bending stress during transportation and assembly
- The temperature conditions for use and storage should be between -10 ℃ and -60 ℃

SPECIFICATION

TECHNICAL DATA SHEET

3 > Main Materials

- ◇ Chip: Polycrystalline silicon battery cells
- ◇ Fabric material: 600D Oxford cloth
- ◇ Surface effect: PET frosted laminated

4 > Appearance Standards

- ◇ Clean the outer surface thoroughly.
- ◇ There should be no severe breakage, cracks, bubbles, foreign objects, misaligned battery cells, and no obvious color difference or white lines
- ◇ Scratches on battery cells: Acceptable to be less than $5 * 0.15$ mm, with no more than two scratches on a single product.
- ◇ White spots and impurities between battery cells should have a diameter of no more than 1mm, a darker color, and should not be too bright.
- ◇ The white lines on both ends and the edges of the battery cells are a normal phenomenon.
- ◇ If there is any dispute over the above standards, the limit sample signed by both parties shall prevail.

Inspection conditions: During the appearance inspection, the product should be held parallel to the line of sight, with a visual distance of 30 centimeters, a tilt of 45 degrees, and a left and right deviation of 15 degrees. If no obvious defects can be found within 3 seconds, it is considered qualified. The specific standards shall be based on the physical signed sample. If there is any dispute over the above standards, the limit sample temporarily confirmed by both parties shall prevail.

5 > Maintenance

- ◇ The solar panel is mainly for emergency charging purpose, we do not suggest a long time outdoor exposure as it may shorten the lifespan of this product.
- ◇ Not bendable, please handle the solar panel with care, and avoid hitting it with sharp objects or knocking heavily on it.
- ◇ If your solar panel must be adhere to other surface, you need to avoid the damp or irregular surface as they might bring a bit distortion after long time sunlight exposure. (we can rescue it after a second long time exposure.)
- ◇ It is normal that solar panels get hotter during working hours and please store them with the box after they become cool down.
- ◇ Dirt and dust can accumulate on the surface over time, this can cause a general decrease of power output, we recommend periodic cleaning for panel with a mild, non-abrasive cleaning agent.

6 > Company Information

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