

# SPECIFICATION

## TECHNICAL DATA SHEET

### 1 > Product Size

- ◇ Unfolded Size: 2220\*610\*27±1m
- ◇ Folded Size: 610\*597\*42±1mm
- ◇ Gross Weight: 5.3±0.10kg
- ◇ Output Interface: MC4 Output (Line Length: 200cm)

### 210W Folded Solar Panel



CET-SP210

### 2 > Product Details

#### ◇ Performance parameter table

Item	Parameter	
Peak Power	210.0W ±5%	1. Manufacturing process (1) PET laminated polycrystalline silicon solar panels.
Open Circuit Voltage (Voc)	DC:24.48V ±5%	2. Important Safeguards
Short Circuit Current (Isc)	11.666A ±5%	(1) This product can't contact with strong corrosive objects.
Standard Operation Voltage	19.44V ±5%	(2) To prevent the hard objects from scratching the surface during operation
Standard Operation Current	10.802A ±5%	(3) The product can't endure the bending force during transportation and assembly.
Ambient Temperature (TEMP)	24-hour sun exposure with bottom shell internal testing	

#### ◇ Test Conditions

Data under standard testing conditions(STC): 1000W/m<sup>2</sup>, AM1.5, 25°C(38000-40000LUX)

#### ◇ Other Instructions

1. Due to the significant discreteness of crystal silicon characteristic parameters, there are differences in electrical performance under low light conditions
2. 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
3. This product should not come into contact with highly corrosive substances
4. Avoid scratching the surface with hard objects during use
5. Cannot withstand bending stress during transportation and assembly
6. The temperature conditions for use and storage should be between -20 °C and -60 °C

### 3 > Package

- ◇ Packaging content: solar panels, color boxes, outer boxes (three packs)

#### ◇ Packaging size specifications

Product size: 610\*597\*42mm

Color box size: 658\*638\*83mm

Weight: 5.3 ± 0.10kg

Weight: 0.75 ± 0.03kg

### 4 > Main Materials

#### ◇ Composition materials of solar panels:

1. Composite materials, photovoltaic ribbon, solar cells, EVA, braided copper tape
2. ETFE film, sandwich fabric, waterproof fabric on the back, chicken eye buckle
3. Screw buckle for mother and son, black button for gun, handle shell, elastic band

# SPECIFICATION

## TECHNICAL DATA SHEET

### 5 > Appearance inspection requirements

---

**Code Description: L: Length W: Width H: Height D: Distance N: Quantity Ø: Diameter**

- ◇ A single panel with no significant color difference under indoor lighting
- ◇ The silicon wafers are arranged neatly
- ◇ Silicon wafer edge collapse and missing angle:  $L \leq 3.5\text{mm}$   $W \leq 3.5\text{mm}$   $N \leq 8$
- ◇ Surface stains on silicon wafers:  $\text{Ø} \leq 4\text{mm}$   $N \leq 8$
- ◇ Scratches:  $L \leq 10\text{mm}$
- ◇ No obvious highlights:  $W \leq 1.5\text{mm}$   $N \leq 6$
- ◇ The gap between the battery cells is dirty, and the spot area is  $\text{Ø} \leq 0.8\text{mm}$   $N \leq 8$
- ◇ Tin slag, bubbles, and impurities inside the adhesive:  $\text{Ø} \leq 2.5\text{mm}$   $N \leq 6$
- ◇ Laser cutting technology, with a tolerance range of  $\pm 0.25\text{mm}$  for length and width dimensions

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.

### 6 > 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 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.

### 7 > Company Information

---

**Camel Electronic Technology Co., Ltd.**

- ◇ Shenyang Office: No. 741-12 Shenyang Street, Hunnan District, Shenyang City, Liaoning Province, China
- ◇ Guangzhou Office: No. 178 Longtang Middle Street, Zhongluotan, Baiyun District, Guangzhou City, Guangdong Province, CN
- ◇ Email: [info@camelet.com](mailto:info@camelet.com)
- ◇ Official Website: [www.camelet.com](http://www.camelet.com)