

# PRODUCT SPECIFICATION

Product name: Solar cell module

Model: CX-P-18-50

Product size: 670mm\*535mm

## 1. Scope

This product specification book standardizes the size, performance and test method of the product as the basis of technical confirmation.

## 2. General Specification

- 1、Application: The product can be used in solar modules, solar power generation systems, solar energy application products and other fields.
- 2、The standard test conditions :AM1.5、1000W/m<sup>2</sup>、25°C

## 3. Main Material

Specification	670mm*535mm
Battery cell specifications	polycrystalline 157mm*49mm*36pcs
Material	Ultra white cloth grain tempered glass, PET, EVA, photovoltaic welding tape
Encapsulation way	Glass laminate package
Frame	Anodized aluminum alloy frame

## 4. Product Parameters:

P <sub>m</sub>	50W
V <sub>mp</sub>	18V
I <sub>mp</sub>	2.77A
V <sub>oc</sub>	21.6V
I <sub>sc</sub>	3.05A
Maximum System Voltage	1000V

## 5. Environmental conditions for use and storage:

1. Reserving environment: -20°C — 60°C。
2. Outdoor environment with no shade under the sun.
3. Soldering temperature 370±5°C, welding time should not exceed 3 seconds.

## 6. Points to note

1. Do not exceed the power range.
2. Avoid scratching the surface with hard objects during use.
3. Cannot bear bending force during transportation and assembly.
4. Do not contact with strong corrosive substances, if there is, should be cleaned immediately.
5. When connecting solar panels with electrical appliances, pay attention to whether the connection line is short-circuited, and whether the positive and negative poles are connected to reversing