

PRODUCT SPECIFICATION

Product Name: Solar Module
Model: IRSP-100W(IRSP0100X2)
Product Size: 910*680*3mm

1. Scope

This product specification defines the size, performance, and testing methods of the product and serves as the basis for technical confirmation.

2. General Specification

1. Application Range: This product can be used in solar modules, solar power generation systems, solar applications, etc.
2. Standard Testing Conditions: AM1.5, 1000W/m², 25°C

3. Main Materials

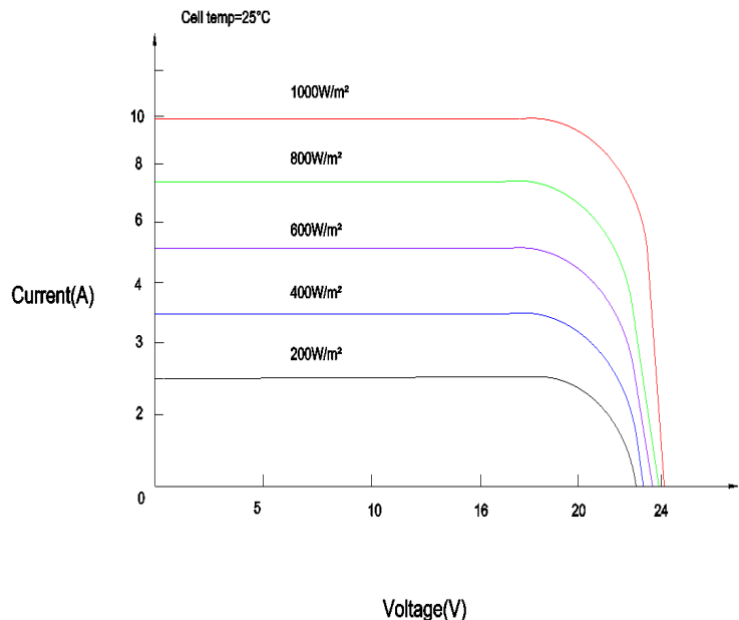
Product Specifications	910mm (length) * 680mm (width) * 30mm (thickness)
Cell Specifications	Monocrystalline silicon PV cells (From Longi, Tongwei, Jinko, etc.)
Materials	Ultra-white embossed tempered glass, PET, EVA, photovoltaic welding tape
Encapsulation Method	Glass lamination encapsulation
Frame	Anodized aluminum alloy frame

4. Product Parameters

- Power (Pm): 100W
- Operating Voltage (Vmp): 17V
- Max Operating Current (Imp): 5.9A
- Open Circuit Voltage (Voc): 20.4V
- Short Circuit Current (Isc): 6.2A
- Max System Voltage: 1000V

5. Environmental Conditions for Use and Storage

1. Storage Environment: -20°C to 60°C
2. Usage Environment: Outdoor, unshaded under sunlight
3. Soldering Temperature: 370±5°C; soldering time should not exceed 3 seconds



6. Points to Note

1. Do not exceed the power usage range.
2. Avoid scratching the surface with hard objects during use.
3. Do not apply bending force during transport and assembly.
4. Avoid contact with strong corrosive substances. If contact occurs, clean immediately.
5. When connecting the solar panel to electrical appliances, ensure that the connection wires are not short-circuited and that the polarity is correct.