



50W 166 Split Cell Solar Module

ISOLA NEW ENERGY is a public company who has been dedicating on solar and renewable energy more than 14 years. Our solar panels have been supplying to more than 60 countries. This 50w 166 Split Cell Solar Module’s wattages reaches upto 50w with 36 cell configurations.

Product Description

Our **50w 166 Split Cell Solar Module**, 12 VDC, 36 cells, mono, alu-frame, tempered glass. Isola Solar Modules are designed for industrial and professional applications using scratch resistant anodised aluminium frame. The junction box is the same as is used with large modules. The modules are suitable for an outdoor field installation and are user friendly. Crystalline cells are covered by a special sheet of solar glass and encapsulated in a multi-layer, high-resistance film.

Having a look of **50w 166 Split Cell Solar Module**, it has strong mechanical strength which are certified to withstand high wind loads and snow loads while being extremely responsive in low light conditions capturing more sunlight in cloudy conditions ensuring better power generation. These solar panels have the lowest temperature coefficient, hence ensuring better energy output in tropical and high temperature conditions.

Product Parameter (Specification) of 50w 166 Split Cell Solar Module		
MODEL	Product Specifications	
YH50W-18M	Peak power Pmax:	50Wp
	Working voltage Vmp:	19.72V
	Working current Imp:	2.54A
	Open circuit voltage Voc:	23.29V
	Short circuit current Isc:	2.68A
	Cell:	Monocrystalline 166
	Operation temperature	-40°C-50°C
	size:	570*540*25mm
	Net Weight	3.3KG

Product Feature And Application

This **50w 166 Split Cell Solar Module** can be installed in various power plants, rooftop systems, pumping systems, lighting systems, etc. across the globe and have exceeded the performance expectations always. The function of solar module is to convert the sun's radiation to electrical energy, or transfer it to battery and store in it, or to drive the load running the product has been widely used in space and ground, it mainly used for power generation systems, charging systems, road lighting and traffic signs areas. It could offer a wide range of power and voltage, and with high conversion efficiency, and long service lifespan.

Product Details

Product description: **50w 166 Split Cell Solar Module**

Product Feature: The carefully designed panel type maximizes the rational use of cells without wasting materials, meets the aesthetic standards of most customers.

Product Packing: flexible, our Standard or OEM according customer's demand.

ISOLA has been on the forefront of helping customers across industries solve their emerging power needs for over a decade.



Green power



Efficient power saving



Easy battery life



Easy installation

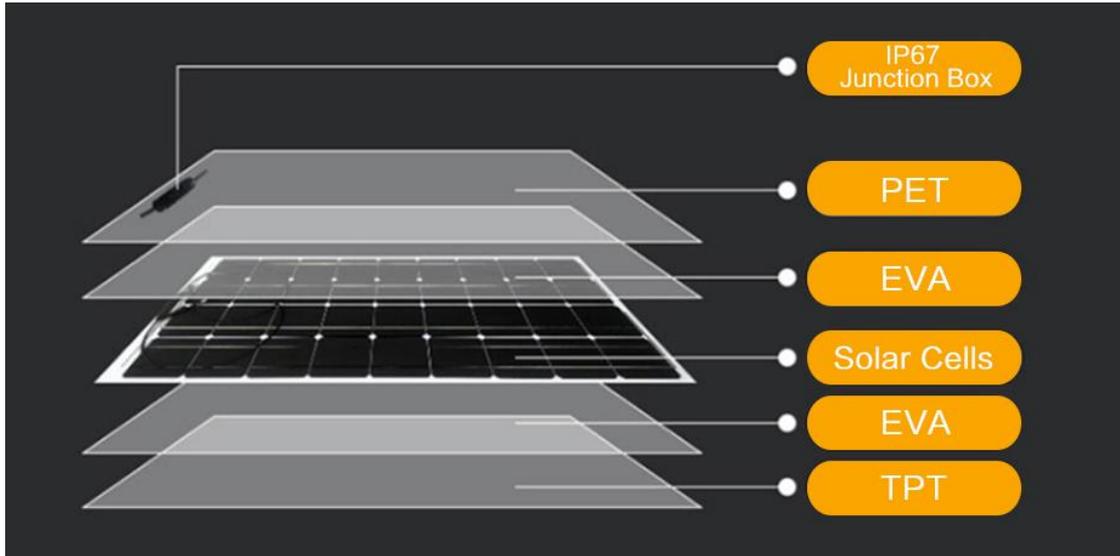


Wide application

Product

Where there is sunshine There is electricity

Postting high gloss, anti-ultraviolet, beautiful appearance



Material Advantage

Brand-known raw materials to ensure maximum inner quality



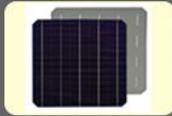
Glass

Anti-reflective coating to increase the module efficiency up to 20%
Light transmittance improvement above 3%
Self-cleaning function



Back Sheet

Low moisture permeability against snail trail defect
Excellent electric insulation for high system voltage up to 1500V
Outstanding weatherproof performance



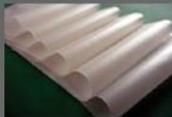
Cell

High power efficiency
Stable performance under weak light conditions
PID free



Frame

Strong mechanical load resistance up to 5400 Pa
Anodic oxidation layer resistant to chemical corrosion
Silver and black color optional



Eva Film

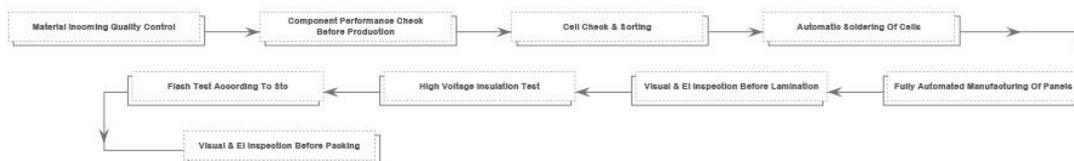
Light transmittance more than 92%
Snail trail prevention treatment
UV resistance against ageing



Junction Box

IP 67 protection grade
High quality diodes for electric safety
1500V system voltage available

Production process



Packing & Loading



Equipments & Facilities



Equipments & Facilities



Project case



About us



Solar Photovoltaic High-tech Products Of Professional Manufacturers

who we are

Zhejiang Isola New Energy Co.,Ltd is a professional manufacturer, engaged in high-tech products of solar modules. It has the abundant technical force and a large number of professional and technical person for many years experienced in the photovoltaic industry, and use full-automatic machine for cell cutting, welding, packaging, testing and so on.

Products included solar cells, solar panels, solar home system, solar streetlight, etc. Two production bases:

Full automatic production line: 1.5GW / year, power range: 450W-540W

Semi-automatic production line: 400MW / year, power range: 5W-400W

We are the domestic manufacturer with the most comprehensive power coverage and the most customized enterprise.

The subordinate branch companies and representative offices are located in more than 10 countries like: Germany, Danmark, Netherlands, India, Bangladesh, Burma, etc.

