

# DONGGUAN SUNWORLD CO.,LTD

**SUNWORLD** Founded in **2011**,

It is a **Hong Kong** funded enterprise focusing on high quality Solar panels. It owned production factory, located in Dongguan City, **JinBoLi** Industry Park, Specializes in the production, R & D and sales of solar panels, flexible solar panels, controllers, folding bags and power generation systems.

The products are widely used in photovoltaic power generation system, off grid power generation, outdoor power supply, RV, street lamp, monitoring and security, water conservancy monitoring, Internet of things power generation and other fields,

**With 12 years** of foreign trade export experience, the products are exported to the United States, the European Union, Japan, more than 50 countries , and the factory has obtained **ISO9001, IEC, CE, ROHS, SGS, CNAS, Certification**.

**SUNWORLD** has been committed to becoming a world-class supplier of solar green energy solutions, serving the whole mankind



## 100W Flexible Solar Panel Spe

### 1、Electrical parameters

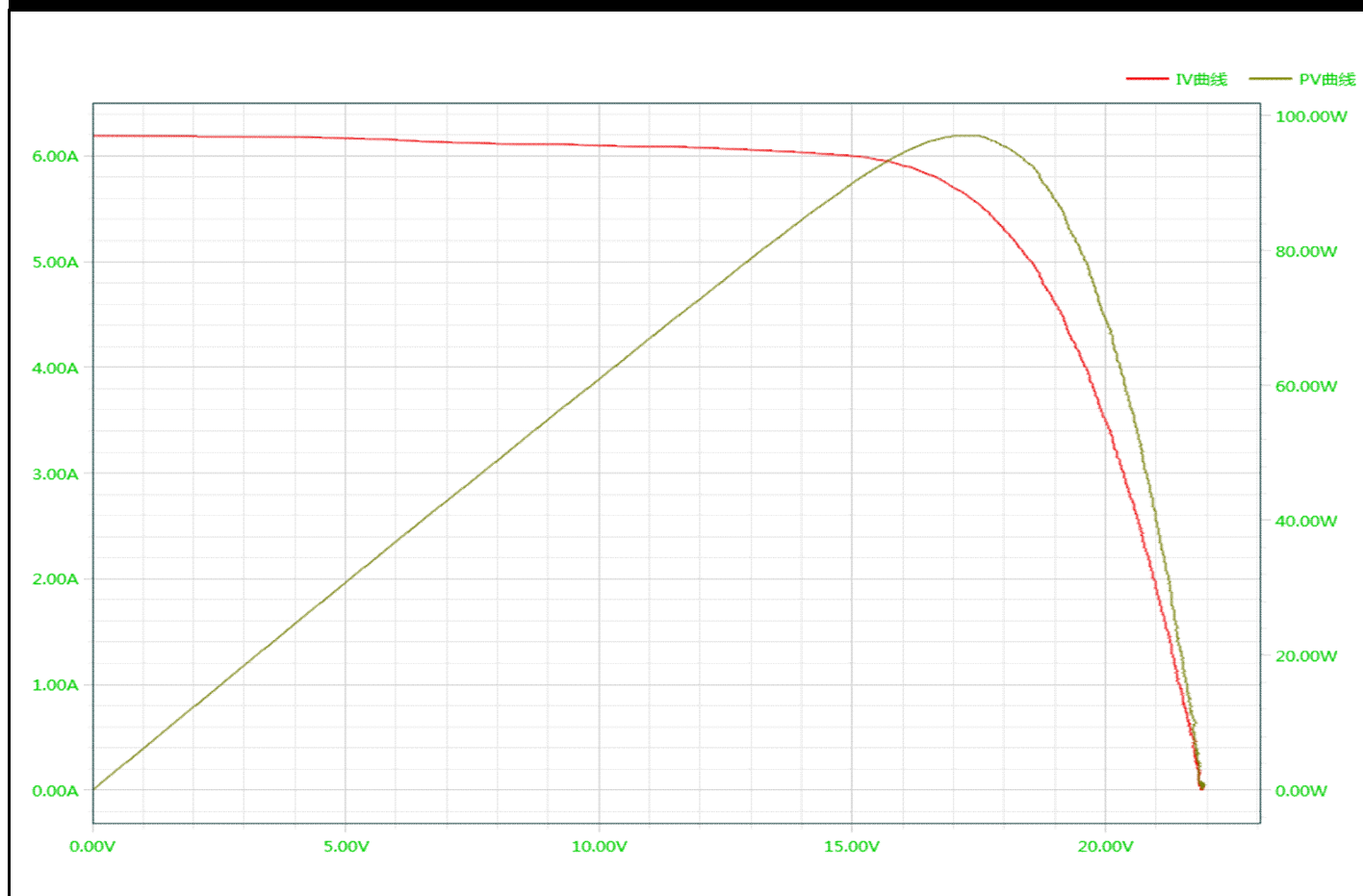
Solar Panel Type	SWF100W
Maximum Power	100W
Voltage at Pmax	18.68V
Current at Pmax	5.35A
Open-Circuit Voltage	22.30V
Short-Circuit Current	5.56A
Solar Cell Efficiency	20%-22%
Power Tolerance	±5%
Working Temperature	-40℃ - +55℃
Power Temperature Coefficient	-0.43%/℃

(STC): irradiation1000w/ m<sup>2</sup>, temperature 25 °C, air quality AM1.5, output power error: ± 5%]

## 2、Mechanical Parameters

Surface Material	ETFE(Import from JP)
Cell Main Line	9BB/12BB
Cell Width	158.75/161.75/166/182
Cell Array	36pcs 3*12
Panel Size	1050*515*3mm
Weight	2.3KG
Junction Box	IP67
Cable	PV2.5 50CM+MC4
Junction box Contact Material	Copper
Plastic Holder	4pcs
Diode Protect	1*10A Diode
Installation Requirements	The bent Less than 35 degrees, and it is gently handled. The bottom layer needs to be installed for heat insulation or heat dissipation.
Laminated Structure	ETFE+EVA+Cell+EVA+Double Backsheet
Package	Plastic+Foam+Carton, 2pc/carton

## 3、IV and PV Curve Chart



## 4、Front and Back Photo



**Material :**ETFE  
Import from JP  
**properties:**  
Bump surface  
Waterproof&  
Stainless&  
Increase Light  
Absorption&  
Weather Resistant



**Juction box:**  
IP65 WaterProof  
TUV Standard  
Contains

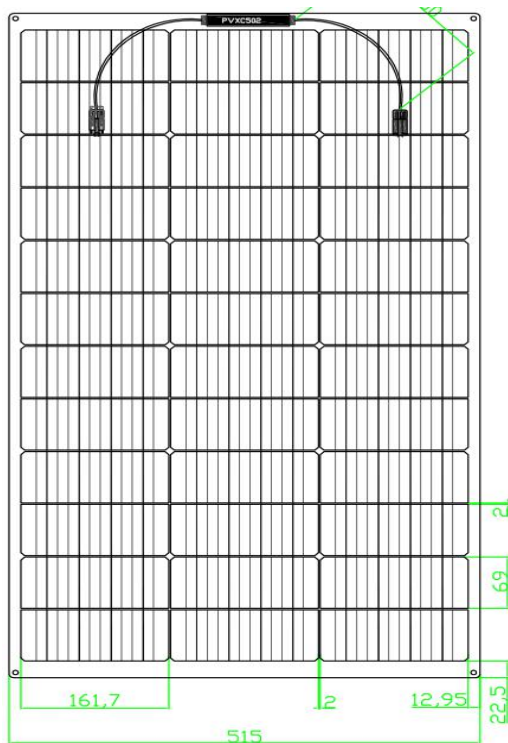


**MC4 Contact:** IP65  
TUV



**Fix Hole:**  
Rustless Copper

## 5、Product Drawing and Holes



Hole:  
4\* $\Phi$ 6mm  
Distance  
Width: 501mm  
Length: 881mm