

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



300W Flexible Solar Panel Spe

1、Electrical parameters

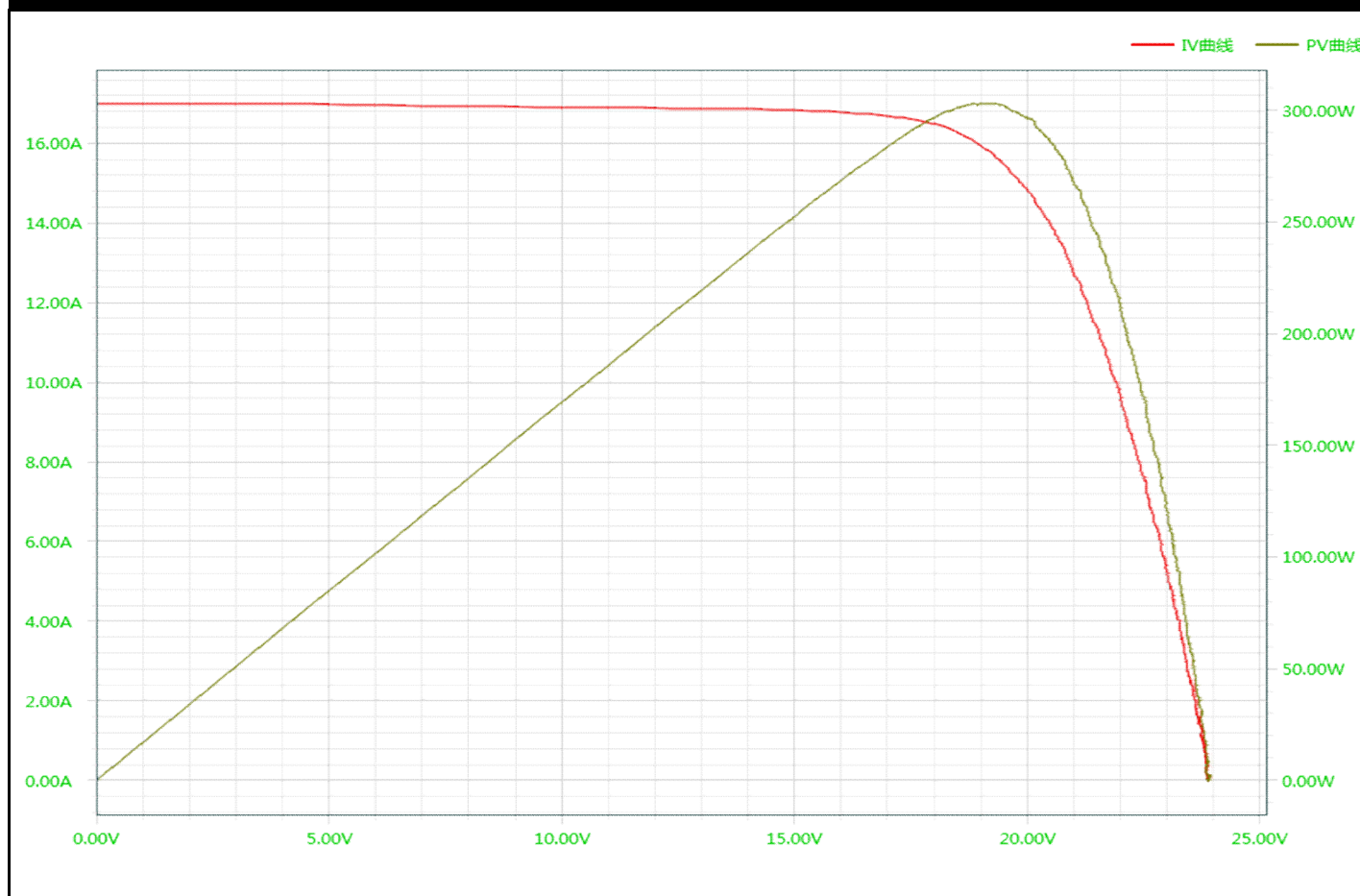
Solar Panel Type	SWF300W
Maximum Power	300W
Voltage at Pmax	18.68V
Current at Pmax	15.26A
Open-Circuit Voltage	22.30V
Short-Circuit Current	16.04A
Solar Cell Efficiency	20%-22%
Power Tolerance	±5%
Working Temperature	-40℃ - +55℃
Power Temperature Coefficient	-0.43%/℃

(STC): irradiation1000w/ m², temperature 25 °C, air quality AM1.5, output power error: ± 5%]

2、Mechanical Parameters

Surface Material	PET
Cell Main Line	9BB/12BB
Cell Width	158.75/161.75/166/182
Cell Array	108pcs 6*18
Panel Size	1500*990*3mm
Weight	5.0KG
Junction Box	IP65
Cable	PV4.0 80CM+MC4
Junction box Contact Material	Copper
Plastic Holder	4pcs
Diode Protect	2*30A 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	3.2mm glass+EVA+Cell+EVA+Double Backsheet
Package	Plastic+Foam+Carton, 2pc/carton

3、IV and PV Curve Chart



Junction box:
IP65 WaterProof
TUV Standard
Contains

MC4 Contact: IP65
TUV

Fix Hole:
Rustless Copper

Technical drawing of a rectangular metal mesh. The drawing shows a grid of vertical and horizontal lines representing the mesh. Dimensions are indicated in red: the overall width is 990mm, the overall height is 1486mm, and the distance between the vertical mesh lines is 138.7mm. A detail of a hole is shown at the top center, with a diameter of 8mm and a distance of 13.8mm from the center of the hole to the edge of the mesh.

Hole:
 4* Φ 8mm
 Distance
 Width: 976mm
 Length: 1486mm