MPPTSUN®
易 科

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, Cerfication.**

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





SWB300W Foldable Solar Panel Spe

1、 Electrical parameters

Model	SWB300W
Maximum Power	300W
Voltage at Pmax	18.68V
Current at Pmax	16.05A
Open-Circuit Voltage	22.30V
Short-Circuit Current	16.91A
Solar Cell Efficiency	20%-22%
Waterproof degree	**IP65**
Power Tolerance	±5%
Working Temp	-20℃-+50℃
(STC): irradiation1000w/ ㎡, temperature 25 ℃, air quality AM1.5, output power error: ± 5%]	

2、Mechanical Parameters

Panel Connection	18V in Parallel of each panel
Solar Cell Type	Monocrystalline
Cell main line	9BB/12BB
Surface Material	**ETFE**(Import form JP)
Cloth Material	900D Oxford cloth
Folded Panels	50W 18V *6
Weight	7.8KG
Fold/Unfold Size	615mm*535mm/3420mm*615mm
Support Bracket	Yes
Built-in PV injunction box	IP65 with 90cm cable+MC4
Accessories	1: MC4 extend cable 300cm *1 2: MC4 to DC5521 with cable 150cm *1
Laminated Structure	ETFE+EVA+Cell+EVA+PET+EVA
Package	Interior: Bubble bag ； Exterior: Carton

3、Product Picture



300W Fold Dimensions



300W Unfold Dimensions

4、Junction Box

MC4 Junction

The junction box connect with 90cm 4mm² PV cables.



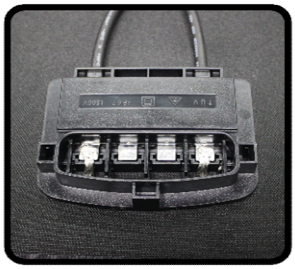


Waterproof Junction Box

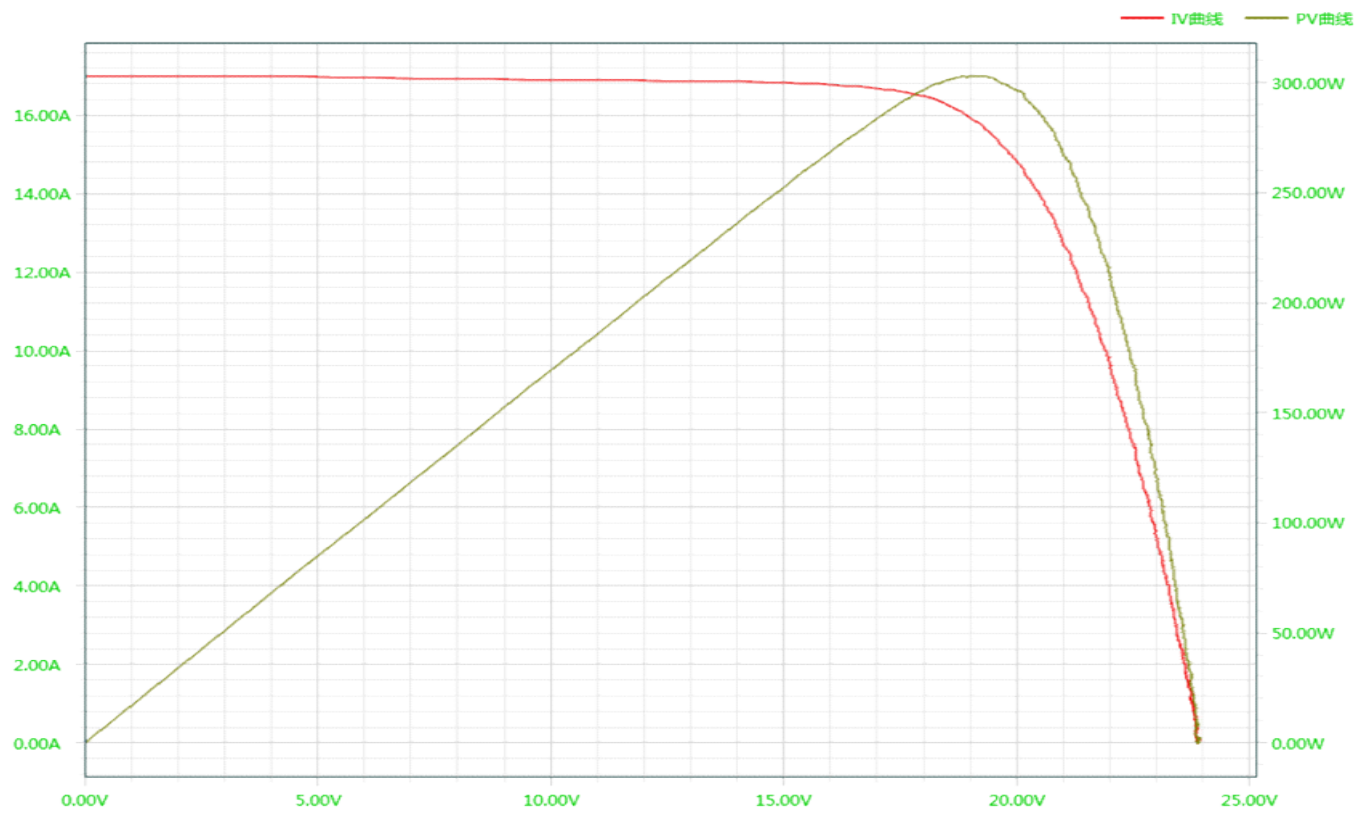
Effectively prevents rainwater infiltration and provides multiple protections for junction boxes.

Protection diode

Built-in PV diode, it effectively protect the foldable panels be damaged



5、IV and PV Curve Chart



6、Package



Interior



Exterior



3Pcs Details



3Pcs Box