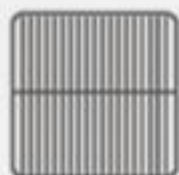


# 610W-635W

High efficiency single crystal silicon single side half solar panel

Single glass glass



### Multiple primary gate (N-type) technology

Effectively improve optical utilization and reduce internal current loss



### PID resistance

Excellent PID tolerance at 96 hours (85 ° C /85%)



### Resistance to cracking

Apply innovative non-destructive cutting technology to reduce the risk of cracking



### The module efficiency is up to 22.3%

The half-cell structure has a higher lifetime power generation capacity with low resistance characteristics

**HOT**

### HOT3.0 Technology

Shorter current transmission distance, less resistance loss, higher battery efficiency



### The maximum power is increased to 635W

With the application of dense packing technology, the component efficiency is increased to 22.3%



### High reliability

The anti-PID performance is improved through battery process optimization and material control



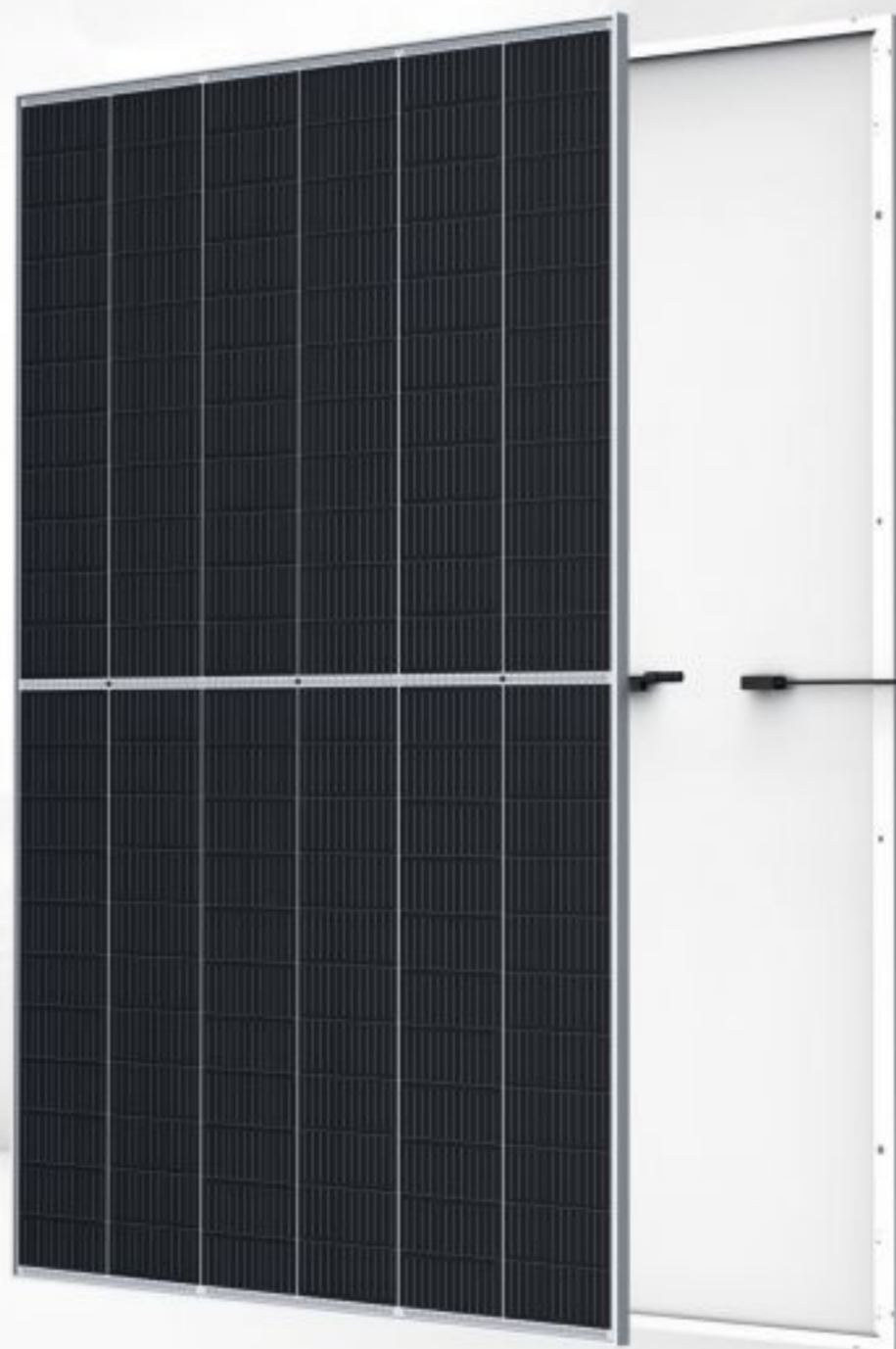
### Higher customer value

Industry leading technology and power warranty to ensure long-term efficient performance of components



### High power generation performance

The unique version design brings stronger resistance to shadow occlusion. The power generation is large.



## Authentication certificates

EC61215、IEC61730、CE、CQC

- 1S08001:2015: Quality management system
- 18014001:2015: Environmental management system
- 1S045001:2018: Occupational health and safety management





## Electrical specifications

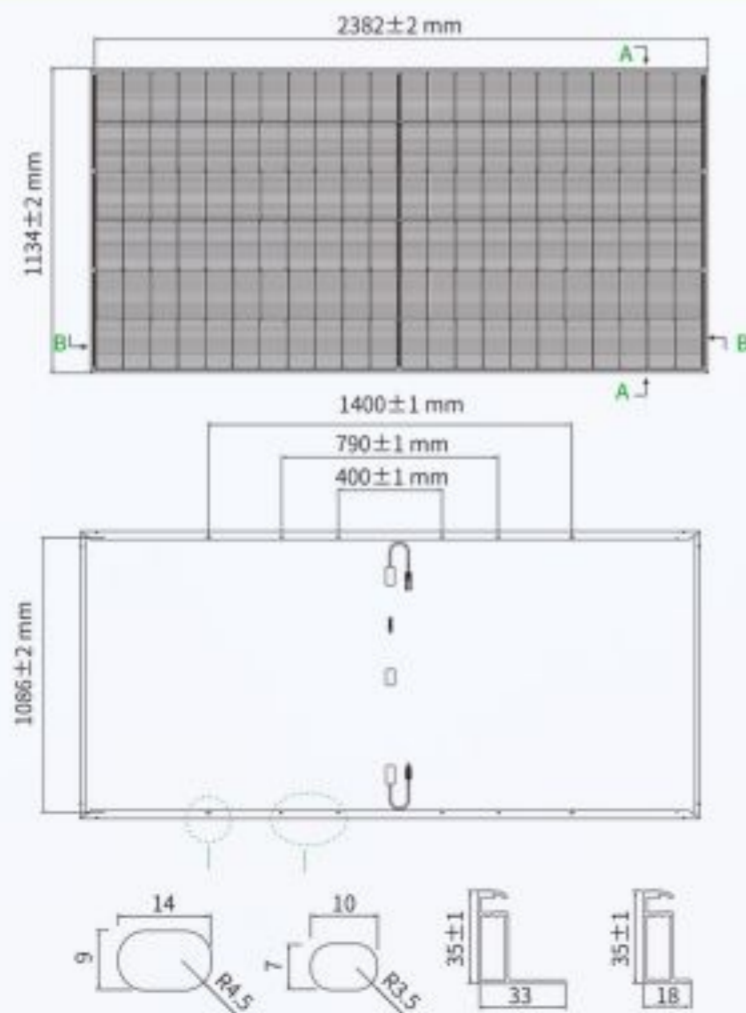
Maximum power P <sub>MAX</sub>	610W	615W	620W	625W	630W	635W
Open circuit voltage (V <sub>oc</sub> )	48.63	48.79	48.95	49.11	49.27	49.43
Short circuit current (I <sub>sc</sub> /A)	16.01	16.08	16.15	16.22	16.29	16.36
Maximum power voltage (V <sub>mpp</sub> )	40.56	40.73	40.90	41.07	41.23	41.39
Maximum power of current	15.04	15.10	15.16	15.22	15.28	15.34
Module efficiency (%)	22.58%	22.77%	22.95%	23.14%	23.32%	23.51%
Power tolerance (W)	0~+3					

STC: light intensity 1000W/m, battery temperature 25°C, air quality 5.  
 Test conditions: irradiance 800W/m, ambient temperature 20°C, wind speed 1m/s.

## Mechanical specifications

Battery type	N-type monocrystalline silicon solar cell
Number of battery cells	132片
size	2382*1134*35mm
Weight	28.2kg
Glass	3.2mm high penetration coated toughened glass
Framework	Anodized aluminum alloy
Junction box	Protection level IP68
Output cable	4mm <sup>2</sup> length 300mm or customized
Connector type	JK03M/MC4

## Engineering drawings



## Temperature characteristics

NOCT temperature	-40°C+70°C
Temperature coefficient (P <sub>MAX</sub> )	-0.290%/°C
Temperature coefficient (V <sub>OC</sub> )	-0.250%/°C
Temperature coefficient (I <sub>SC</sub> )	0.045%/°C

## Maximum rated parameters

Maximum system voltage (IEC)	1500VDC
Snow/wind	5400Pa/2400Pa
Operating temperature	-40°C~+85°C
Maximum series fuse rating	30A

## L-V curve

