

0~+3w

22.1%

Power tolerance

Maximum efficiency

# 605W-630W

High efficiency monocrystal silicon double-sided half solar panel

## Double 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 22.1%

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



### Double sided power generation

The double-sided generation gain on the back side is increased by light, significantly reducing the LCOE



### 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

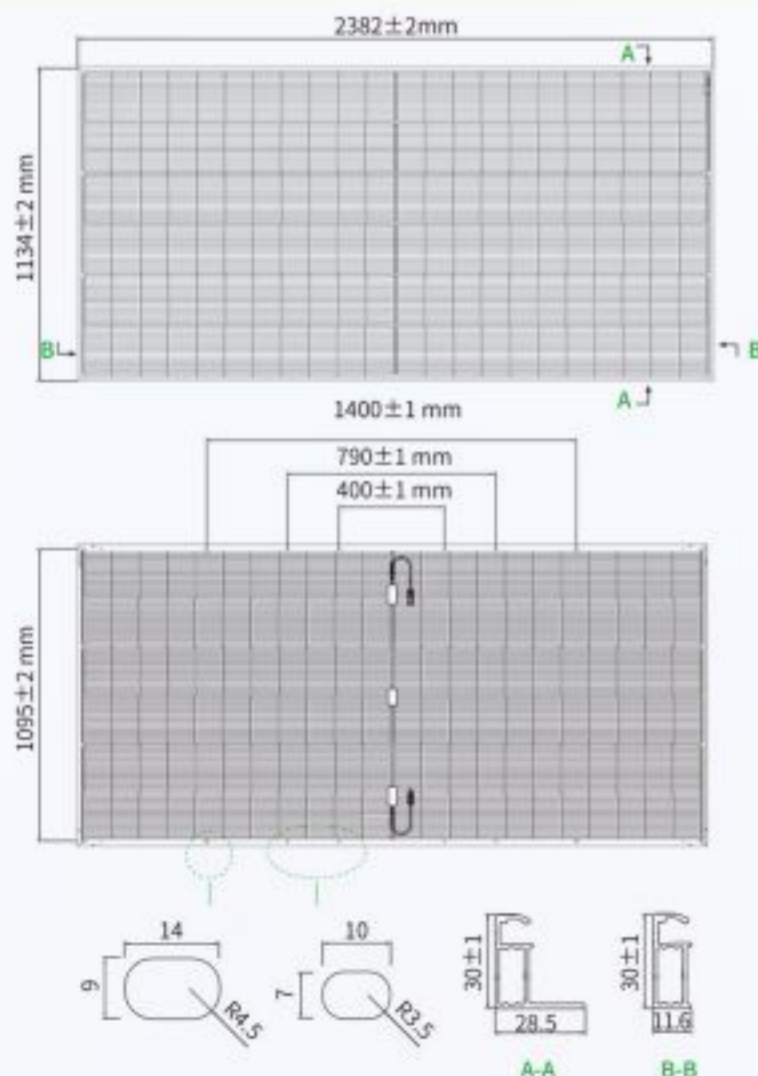
Maximum power P <sub>MAX</sub>	605W	610W	615W	620W	625W	630W
Open circuit voltage (V <sub>oc</sub> )	40.31	40.46	40.60	40.74	40.88	41.02
Short circuit current (I <sub>sc</sub> /A)	15.90	15.96	16.02	16.08	16.14	16.20
Maximum power voltage (V <sub>mpp</sub> )	43.35	43.53	43.71	43.88	44.06	44.23
Maximum power of current	15.01	15.08	15.15	15.22	15.29	15.36
Module efficiency (%)	22.4%	22.6%	22.8%	23.0%	23.1%	23.3%
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*30mm
Weight	32.4kg
Glass	2.0mm 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	35A

### L-V curve

