

575W-600W

0~+3w

21.8%

Power tolerance

Maximum efficiency

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 21.8%

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. Double-sided power generation, 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

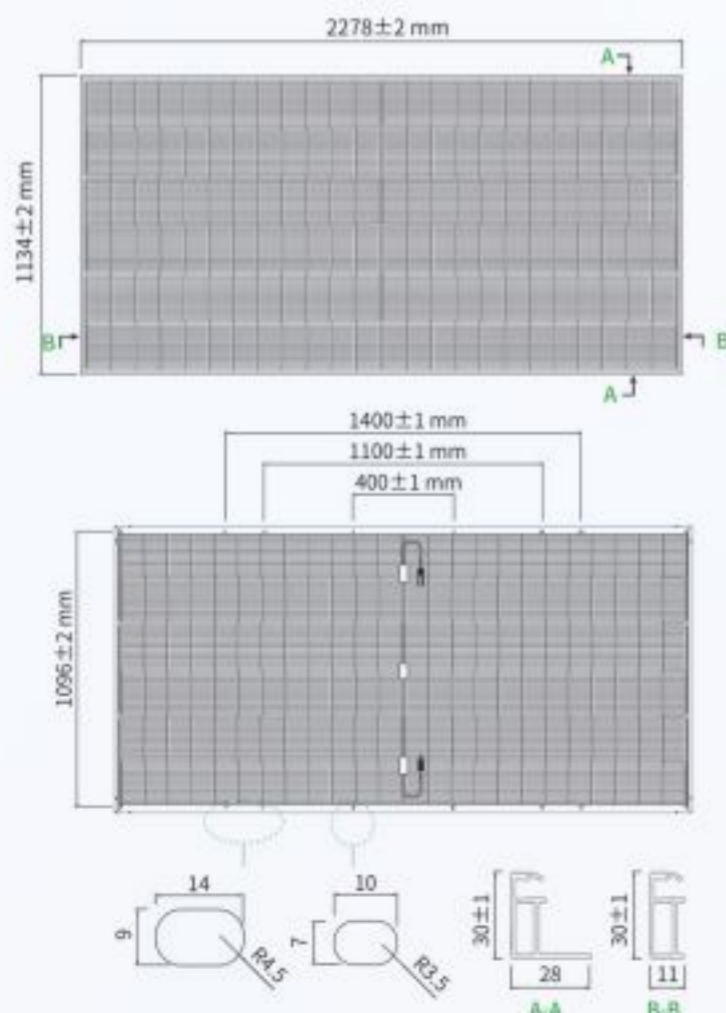
Maximum power P _{MAX}	575W	580W	585W	590W	595W	600W
Open circuit voltage (V _{oc})	52.30	52.50	52.70	52.90	53.10	53.30
Short circuit current (I _{sc} /A)	13.89	13.95	14.01	14.07	14.13	14.19
Maximum power voltage (V _{mpp})	43.73	43.88	44.02	44.17	44.31	44.45
Maximum power of current	13.15	13.22	13.29	13.36	13.43	13.50
Module efficiency (%)	22.3%	22.5%	22.7%	22.8%	23.0%	23.2%
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 cell sheet
Number of battery cells	144片
size	2278*1134*30mm
Weight	31.0kg
Glass	2.0mm high penetration coated toughened glass
Framework	Anodized aluminum alloy
Junction box	Protection level IP68
Output cable	4mm ² length 300mm or customized
Connector type	JK03M/MC4

Engineering drawings



Temperature characteristics

NOCT temperature	-40°C+70°C
Temperature coefficient (P _{MAX})	-0.290%/°C
Temperature coefficient (V _{OC})	-0.250%/°C
Temperature coefficient (I _{SC})	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

