



0~+3w

21.5%

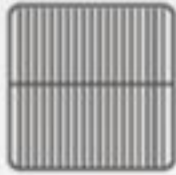
Power tolerance

Maximum efficiency

475W-500W

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 21.5%

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

HOT H0T3.0 Technology

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



The maximum power is increased to 500W

With the application of dense packing technology, the component efficiency is improved to 21.5%



High reliability

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



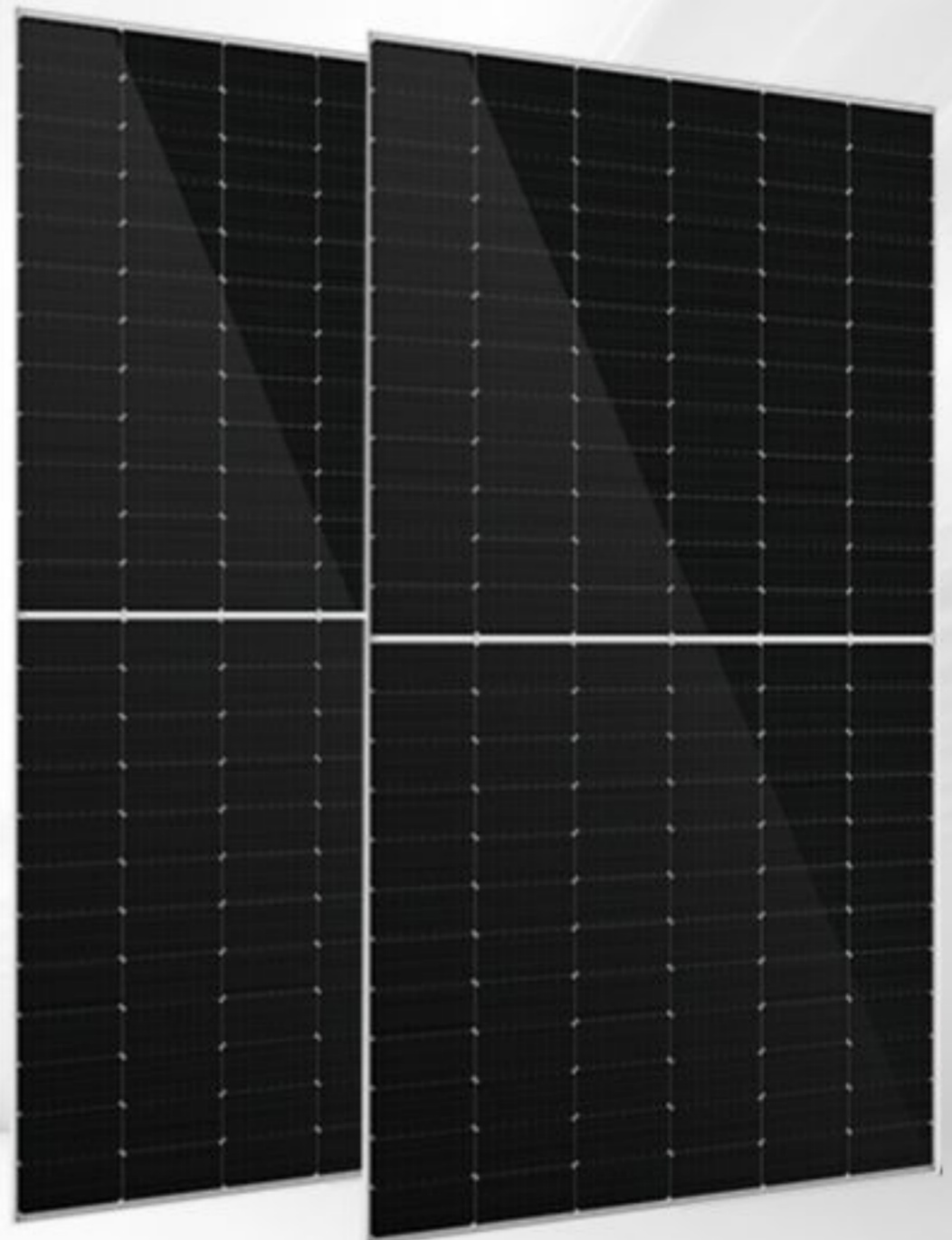
Higher customer value

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

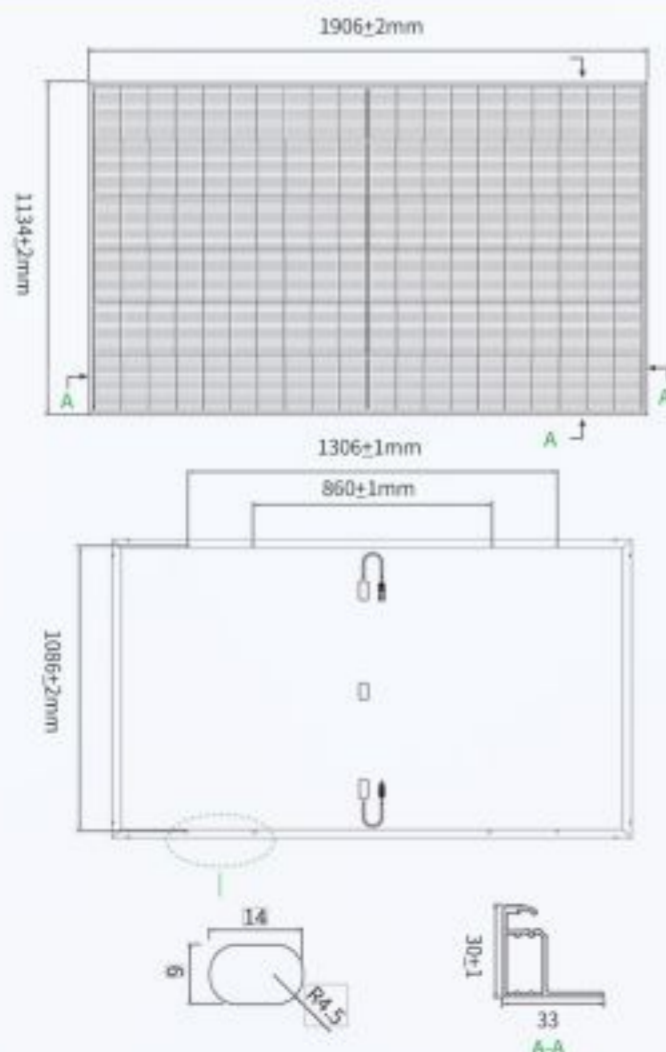
Maximum power P _{MAX}	475W	480W	485W	490W	495W	500W
Open circuit voltage (V _{oc})	43.45	43.60	43.76	43.91	44.07	44.21
Short circuit current (I _{sc} /A)	13.77	13.85	13.93	14.01	14.09	14.17
Maximum power voltage (V _{mpp})	35.88	36.06	36.25	36.43	36.62	36.79
Maximum power of current	13.24	13.31	13.38	13.45	13.52	13.59
Module efficiency (%)	22.0%	22.2%	22.4%	22.7%	22.9%	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 solar cell
Number of battery cells	120片
size	1906*1134*30mm
Weight	22.5kg
Glass	3.2mm high transparency coated tempered glass
Framework	Anodized aluminum alloy
Junction box	Protection level IP68
Output cable	4mm ² length 300mm or customized
Connector type	MC4EV02/TS4 Plus/ts4*

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	25A

L-V curve

