

N-Type

# LIGHTWEIGHT HIGH-STRENGTH MONOCRYSTALLINE SOLAR MODULE

470-485W

22.4%

Module efficiency up to

## Features



### Lightweight Design

5.5kg/m<sup>2</sup>, 50% lighter than conventional glass module  
Perfect for rooftops with limited load capacity



### Excellence Durability

Meet IEC61215 standard requirements  
Excellent performance in high temperature and humidity environment



### High Efficiency

Excellent light transmission, 3% more power output compared to similar products with the same dimension



### High Strength

Fully tempered glass of high strength on the first layer  
Good hail resistance, UV resistance, corrosion resistance, capacity resistance performance



### Safe and Reliable

Anti-dust and special frame structure  
Lowest microcracks and hot-spot effect, Higher LCOE



### Easy Installation

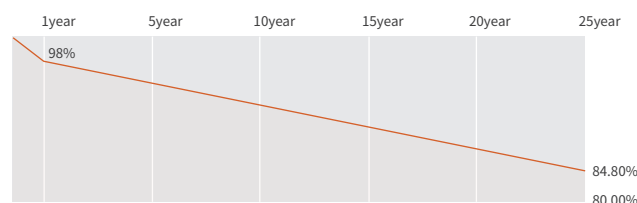
Fast installation with support bracket  
Easy to install and remove and replace

## Reinsurance Coverage for 25 Years



Insured by LLOYD'S

# LLOYD'S



※Within the first year from the date of installation and normal operation, the output power shall not be less than 98% of the product's minimum output power as set forth in the specifications. Afterwards, maximum 0.55% output decrease per year. After 25 years, the product's output power shall not be less than 84.8% of its minimum output power as set forth in the specifications.

## Comprehensive Qualifications & Certifications

- ★ ISO 9001: 2015 Quality Management System
- ★ ISO 14001: 2015 Environment Management System

- ★ ISO 45001: 2018 Occupation Health Safety Management System



Electrical Characteristics at Standard Test Conditions(STC)

Spec/Model	Unit	SST470AH6T	SST475AH6T	SST480AH6T	SST485AH6T
Max-Power(Pm)	W	470	475	480	485
Power Tolerance	W	0~+5			
Max-Power Voltage(Vm)	V	36.20	36.38	36.56	36.74
Max-Power Current(Im)	A	12.99	13.06	13.13	13.20
Open-Circuit Voltage(Voc)	V	42.18	42.38	42.58	42.78
Short-Circuit Current(Isc)	A	13.82	13.88	13.94	14.00
Effective Module Efficiency(ηm) %		21.7	22.0	22.2	22.4
STC: AM=1.5, Irradiation 1000W/m², Module Temperature 25℃ Power Tolerance ±3%					

Electrical Characteristics at Nominal Module Operating Temperature (NMOT)

Spec/Model	Unit	SST470AH6T	SST475AH6T	SST480AH6T	SST485AH6T
Max-Power(Pm)	W	351	355	359	363
Max-Power Voltage(Vm)	V	34.67	34.84	35.01	35.18
Max-Power Current(Im)	A	10.18	10.23	10.28	10.33
Open-Circuit Voltage(Voc)	V	40.39	40.58	40.77	40.96
Short-Circuit Current(Isc)	A	11.15	11.20	11.25	11.30
NMOT: Irradiation 800W/m², Ambient temperature 20℃, Wind Speed 1m/s					

Temperature Coefficient

Nominal Module Operating Temperature	43±2℃
Temperature coefficient of Pmax	-0.35%/℃
Temperature coefficient of Voc	-0.26%/℃
Temperature coefficient of Isc	0.048%/℃

Operating Conditions

Max. system voltage	DC1500V(IEC)
Max. series fuse rating	25A
Operating temperature range	-40℃~+85℃

Mechanical Characteristics

Installation Module Dimension (L×W×H)	1910mm×1132mm×30mm
Weight	11.8 kg
Glass Type	High Transmittance Tempered Glass
Frame	Anodized Aluminum Alloy / Black
Cell (quantity / material / type / dimensions)	120(6x20) / Mono / 182*91mm
Junction box(protection degree)	IP68
Cable (length/cross-section area)	Customizable / 4mm²
Connector	MC4 Compatible
Max Load	+3600Pa/-2400Pa
Max Allowable Hail Load	φ25mm hail, speed at 23 m/s

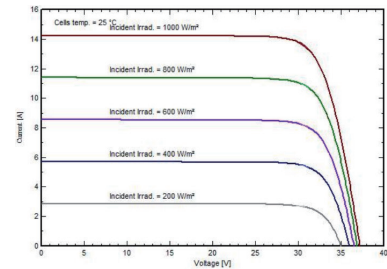
Package

Transportation	Container Size	Quantity(pcs)	Quantity(per pallet)
Container	40'HQ	936	36
Platform Trailer	13m	1008	36
Platform Trailer	17.5m	1728	36

Module Size

I-V Curve

I-V Curves of SST475AH6T at different irradiance



I-V Curves of SST475AH6T at different cell temperature

