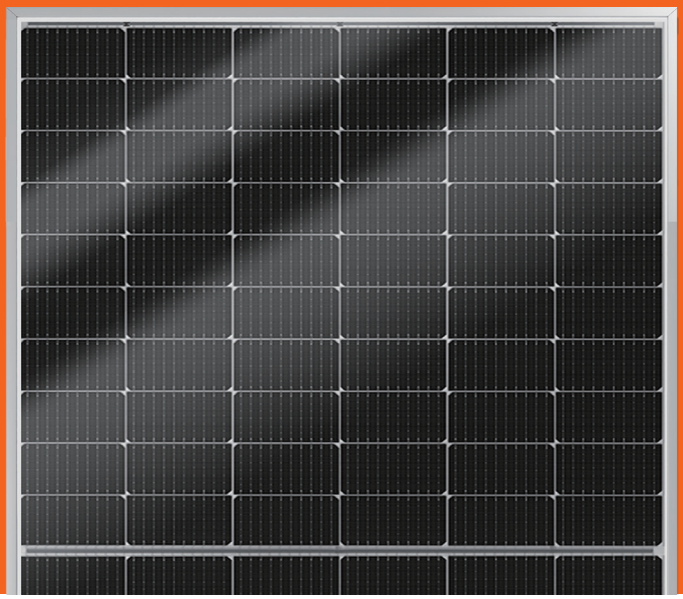
SUNPORT



N-Type

LIGHTWEIGHT HIGH-STRENGTH

MONOCRYSTALLINE SOLAR MODULE

475-485W

22.4%

Module efficiency up to

Features

Lightweight Design

5.5kg/m², 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
East to install and remove and replace

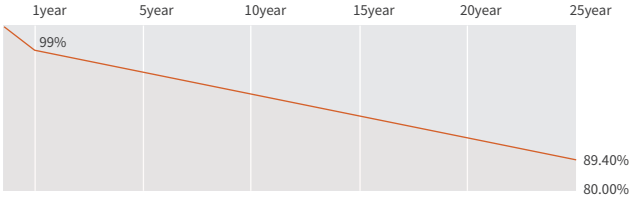
Reinsurance Coverage for 25 Years

12year Quality Warranty

25year Performance Warranty

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 99% of the product' s minimum output power as set forth in the specifications, Afterwards, maximum 0.4% output decrease per year. After 25 years, the product' s output power shall not be less than 89.4% 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

Jiangsu Sunport Power Corp., Ltd
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Electrical Characteristics at Standard Test Conditions(STC)

Spec/Model	Unit	SST475AH6T	SST480AH6T	SST485AH6T
Max-Power(Pm)	W	475	480	485
Power Tolerance	W		0~+5	
Max-Power Voltage(Vm)	V	36.38	36.56	36.74
Max-Power Current(Im)	A	13.06	13.13	13.20
Open-Circuit Voltage(Voc)	V	42.38	42.58	42.78
Short-Circuit Current(Isc)	A	13.88	13.94	14.00
Effective Module Efficiency(ηm)	%	22.0	22.2	22.4

STC: AM=1.5，Irradiation 1000W/m^2，Module Temperature 25°C　Power Tolerance ±3%

Electrical Characteristics at Nominal Module Operating Temperature (NMOT)

Spec/Model	Unit	SST475AH6T	SST480AH6T	SST485AH6T
Max-Power(Pm)	W	355	359	363
Max-Power Voltage(Vm)	V	34.84	35.01	35.18
Max-Power Current(Im)	A	10.23	10.28	10.33
Open-Circuit Voltage(Voc)	V	40.58	40.77	40.96
Short-Circuit Current(Isc)	A	11.20	11.25	11.30

NMOT: Irradiation 800W/m^2, Ambient temperature 20°C, Wind Speed 1m/s

Temperature Coefficient

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

Operating Conditions

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

Mechanical Characteristics

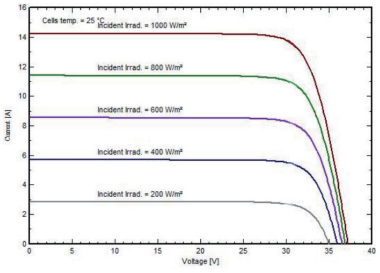
Installation Module Dimension (L×W×H)	1910mm×1132mm×30mm
Weight	11.8 kg
Glass Type	High Transmittance Tempered Glass
Frame	Anodized Aluminum Alloy / Silver
Cell (quantity / material / type / dimensions)	120(6x20) / Mono / 182*91mm
Junction box(protection degree)	IP68
Cable (length/cross-section area)	Customizable / 4mm^2
Connector	MC4 Compatible
Max Load	+3600Pa/-2400Pa
Max Allowable Hail Load	ϕ25mm hail, speed at 23 m/s

Package

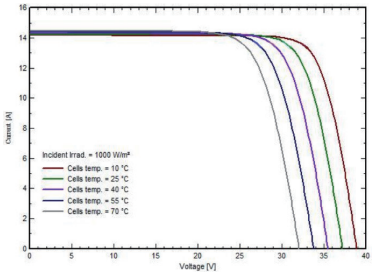
Transportation	Container Size	Quantity(pcs)	Quantity(per pallet)
Container	40'HQ	936	36
Platform Trailer	13m	1008	36
Platform Trailer	17.5m	1728	36

I-V Curve

I-V Curves of SST475AH6T at different irradiance



I-V Curves of SST475AH6Tat different cell temperature



Module Size