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HiSEER 6N

SH21R-66H-S 610-630W

Topcon Module

610-630W
Max. Power Output

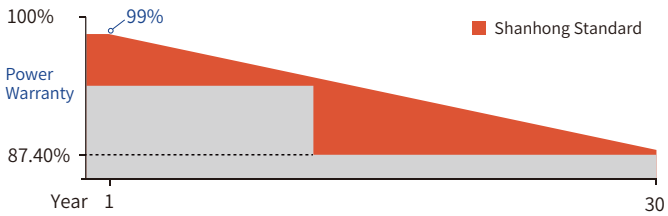
2382*1134mm
Size

23.2%
Module Efficiency

LINEAR PERFORMANCE WARRANTY

30 Years linear power output warranty

15 Years product warranty on materials and workmanship



30 years decay≤0.40% annually on average

Product advantages

N-type TOPCon technology for lower LCOE
The lower temperature coefficient and better low irradiance performance of HJT technology can effectively reduce LCOE.

Fire class A, harsh environment adaptability
The module adopt a double glass structure, which can adapt to all kinds of harsh environment, and the fire rating can reach Class A.

30-year power warranty
The average life of dual-glass module is 30 years, 5 years longer than that of single-glass modules.

Double-sided power generation, higher income
The dual-glass module has a bifaciality of up to 80% and a power generation gain of 5%-25% on the back side.

Product and System Certification

- IEC61215(2016)/IEC61730(2018)
- IEC61701/IEC62716/IEC60068
- ISO9001:2015
- ISO14001:2015
- ISO45001:2018

**Due to different certification requirements in each market, please consult with SHANHONG sales department for appropriate certification.

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Electrical Characteristics(STC)

Maximum Power (Pmax)	610	615	620	625	630
Maximum Power Voltage (Vmp)	40.44	40.60	40.76	40.92	41.22
Maximum Power Current (Imp)	15.08	15.15	15.21	15.27	15.28
Open-circuit Voltage (Voc)	48.58	48.78	48.98	49.18	49.26
Short-circuit Current (Isc)	16.03	16.08	16.14	16.20	16.31
Module Efficiency【%】	22.6	22.8	23.0	23.2	23.3
Measuring tolerance 【%】	0~+5%	0~+5%	0~+5%	0~+5%	0~+5%

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5

Electrical Characteristics(NOCT)

Maximum Power (Pmax)	462	466	470	474	474
Maximum Power Voltage (Vmp)	37.80	37.96	38.12	38.28	38.46
Maximum Power Current (Imp)	12.22	12.28	12.33	12.38	12.43
Open-circuit Voltage (Voc)	46.25	46.40	46.55	46.70	46.85
Short-circuit Current (Isc)	12.90	12.96	13.02	13.08	13.14

NOCT: Irradiance 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s

Mechanical Data

Module Dimensions	2382*1134*30mm
Solar Cells	Monocrystalline (182*210)
No. of Cells	132[2 x (11 x 6)]
Glass	2*2.0mm,Heat Strengthened Glass
Frame	Anodized Aluminium Alloy
Encapsulant	EPE/EVA
J-Box	IP68
Connector	MC4 Compatible
Output Cable	4.0mm2 , 300/300mm
Weight	28kg

Operating Data

Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500V DC(IEC)
Maximum Series Fuse Rating	30A
Bifacility	/

Temperature Ratings

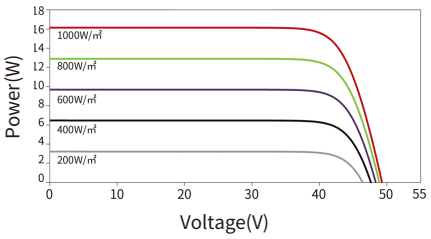
Nominal operating cell temperature	45°C(±2°C)
Temperature Coefficient of Pmax	-0.290%/°C
Temperature Coefficient of Voc	-0.250%/°C
Temperature Coefficient of Isc	+0.040%/°C

Packaging

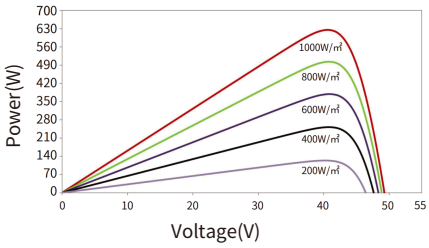
Pallet Dimensions	2390×1120×1250 mm
Information	31Pcs per Pallet，620Pcs per 40' HC

IV Curve and PV Curve

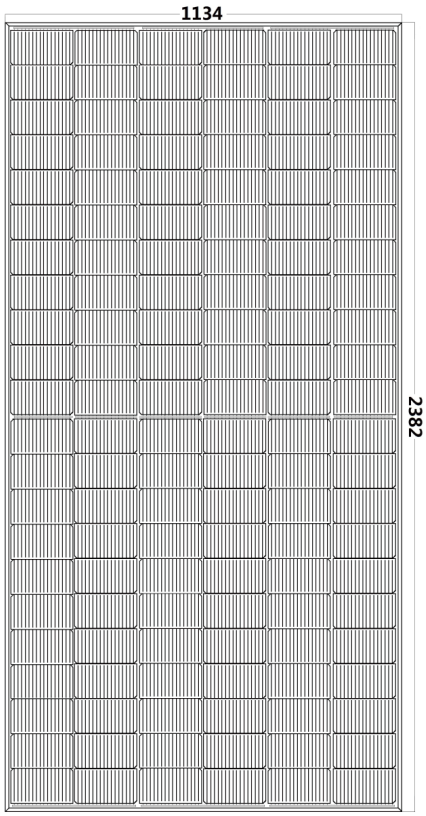
Test temperature 25°C

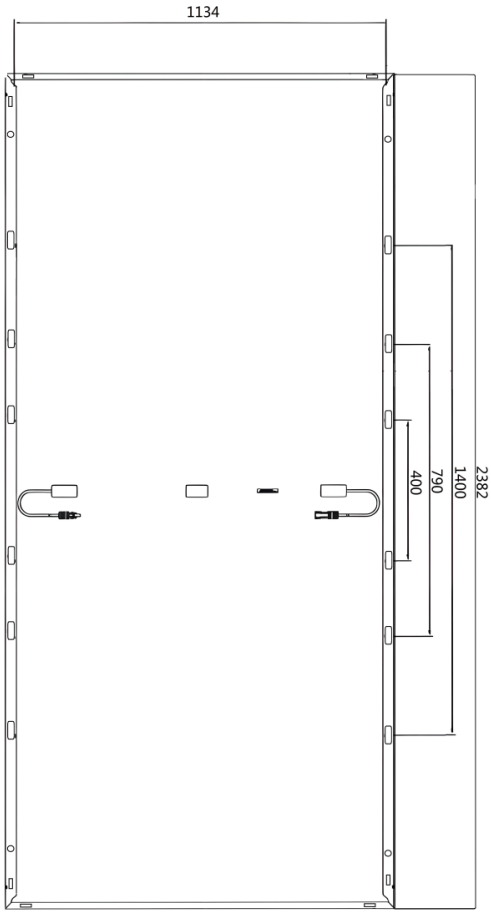


Irradiance: AM1.5, 1000W/m²



Structural Diagram(mm)





Yangzhou Shanhong New Energy Development Co., Ltd. Phone: 0514-83882288 84223238 Fax: 0514-83862288 84228277
Address: No. 8 Jianye Road, Industrial Zone, Dayi Town, Northern Suburb, Yangzhou City, Jiangsu Province

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