


HiSEER 6N

SH21-66H-S 650-670W
Bifacial Perc Module

 **650-670W**
Max. Power Output

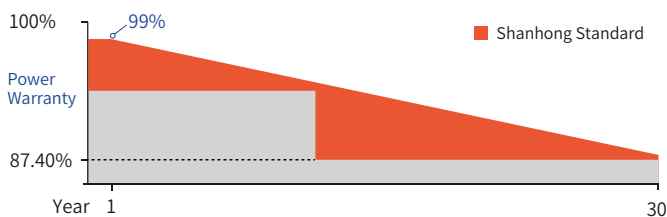
 **2384*1303mm**
Size

 **21.6%**
Module Efficiency



LINEAR PERFORMANCE WARRANTY

30 Years linear power output warranty
15 Years product warranty on materials and workmanship



30 years decay \leq 0.40% annually on average

Product and System Certification

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

Product advantages



Half chip technology improves power output

Compared to a whole cell, a half cell battery reduces current by half and lowers heat loss. The decrease in hot spot temperature can effectively increase power.



Parallel structure reduces occlusion loss

Half piece components, with their special parallel series structure, can be arranged longitudinally, improving the utilization of brackets and land while reducing power generation losses caused by shading.



Reduce heat generation and minimize temperature rise losses

In the outdoor working state of the component, the temperature of the half component itself is about 1.6 °C lower than that of the conventional whole component.



Low current performance, reducing packaging loss

The half chip component utilizes the low current characteristic, and the packaging loss is reduced to within 0.2%.



Electrical Characteristics(STC)

Maximum Power (Pmax)	650	655	660	665	670
Maximum Power Voltage (Vmp)	37.90	38.10	38.30	38.50	38.70
Maximum Power Current (Imp)	17.16	17.20	17.24	17.28	17.32
Open-circuit Voltage (Voc)	45.00	45.20	45.40	45.60	45.80
Short-circuit Current (Isc)	18.39	18.43	18.47	18.51	18.55
Module Efficiency [%]	20.9	21.1	21.2	21.4	21.6
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)	487	491	495	499	503
Maximum Power Voltage (Vmp)	35.50	35.70	35.90	36.10	36.30
Maximum Power Current (Imp)	13.74	13.76	13.79	13.83	13.87
Open-circuit Voltage (Voc)	42.50	42.70	42.90	43.10	43.30
Short-circuit Current (Isc)	14.83	14.86	14.89	14.93	14.97

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

Mechanical Data

Module Dimensions	2384*1303*35mm
Solar Cells	Monocrystalline (210*210)
No. of Cells	132[2 x (11 x 6)]
Glass	2*2.0mm, Heat Strengthened Glass
Frame	Anodized Aluminium Alloy
Encapsulant	EVA
J-Box	IP68
Connector	MC4 Compatible
Output Cable	4.0mm ² , 300/300mm
Weight	34.5kg

Operating Data

Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500V DC (IEC)
Maximum Series Fuse Rating	25A
Bifaciality	/

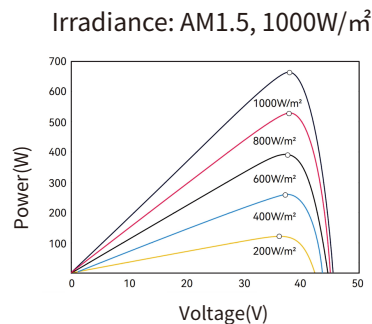
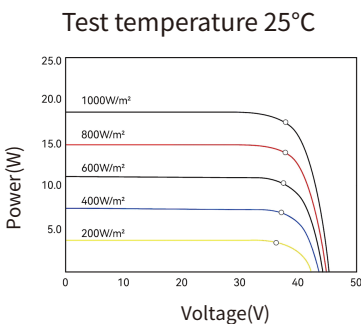
Temperature Ratings

Nominal operating cell temperature	45°C(±2°C)
Temperature Coefficient of Pmax	-0.340%/°C
Temperature Coefficient of Voc	-0.280%/°C
Temperature Coefficient of Isc	+0.048%/°C

Packaging

Pallet Dimensions	1320×1120×2500 mm
Information	31Pcs per Pallet, 558Pcs per 40' HC

IV Curve and PV Curve



Structural Diagram(mm)

