


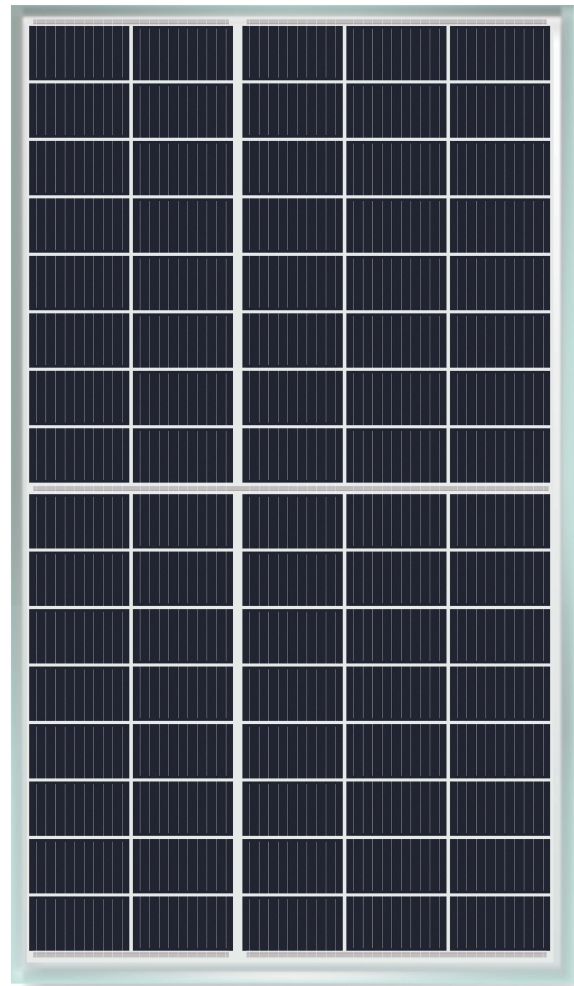
# HiSEER 3N

SH18-40H-T 330-350W  
Topcon Transparency Module

 **330-350W**  
Max. Power Output

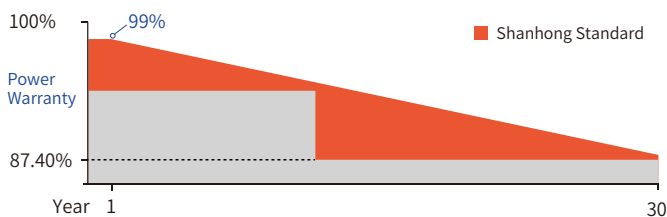
 **1640\*992mm**  
Size

 **21.5%**  
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



### 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.



## Electrical Characteristics(STC)

Maximum Power (Pmax)	330	335	340	345	350
Maximum Power Voltage (Vmp)	24.70	24.90	25.10	25.30	25.50
Maximum Power Current (Imp)	13.36	13.45	13.55	13.64	13.73
Open-circuit Voltage (Voc)	28.96	29.16	29.36	29.56	29.76
Short-circuit Current (Isc)	14.25	14.35	14.45	14.55	14.65
Module Efficiency [%]	20.3	20.6	20.9	21.2	21.5
Measuring tolerance [%]	0~+5%	0~+5%	0~+5%	0~+5%	0~+5%

STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5

## Electrical Characteristics(NOCT)

Maximum Power (Pmax)	249	253	257	261	265
Maximum Power Voltage (Vmp)	22.83	23.00	23.17	23.34	23.51
Maximum Power Current (Imp)	10.91	11.00	11.09	11.18	11.27
Open-circuit Voltage (Voc)	27.27	27.45	27.63	27.81	27.99
Short-circuit Current (Isc)	11.51	11.59	11.67	11.75	11.83

NOCT: Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s

## Mechanical Data

Module Dimensions	1640*992*30mm
Solar Cells	Monocrystalline (182.2*95.8)
No. of Cells	80[2 x (8x 5)]
Glass	2.0mm, Heat Strengthened Glass
Frame	Anodized Aluminium Alloy
Encapsulant	EPE/EVA
J-Box	IP68
Connector	MC4 Compatible
Output Cable	4.0mm <sup>2</sup> , 300/300mm
Weight	18.5kg

## Operating Data

Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500V DC(IEC)
Maximum Series Fuse Rating	30A
Bifaciality	80±5%

## Temperature Ratings

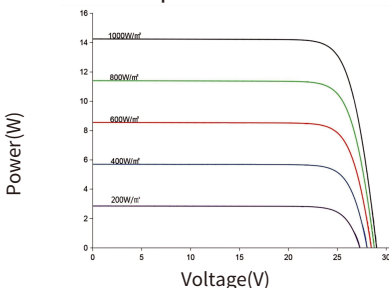
Nominal operating cell temperature	45°C(±2°C)
Temperature Coefficient of Pmax	-0.290%/°C
Temperature Coefficient of Voc	-0.250%/°C
Temperature Coefficient of Isc	+0.040%/°C

## Packaging

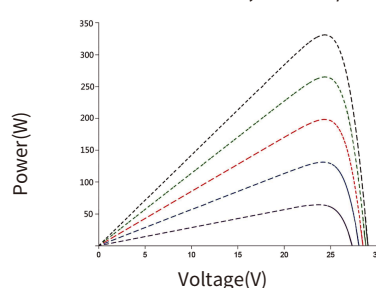
Pallet Dimensions	1700×992×1250 mm
Information	36 Pcs per Pallet, 1008 Pcs per 40' HC

## IV Curve and PV Curve

Test temperature 25°C



Irradiance: AM1.5, 1000W/m<sup>2</sup>



## Structural Diagram(mm)

