



Hitouch 5N

HN18N-72HT

575-600W

BIFACIAL

High Efficiency Module

23.2%

Maximum Efficiency



Higher Power Output

Higher module conversion efficiency benefit from bigger wafer and half-cell structure.

Better light trapping and current collection to improve module power output and reliability.



Excellent Temperature Coefficient

Lower operating temperature and temperature coefficient increases the power output.



Long-Term Reliability

Module certified to withstand 5400 Pa positive static load and 2400 Pa negative static load.

Excellent anti-PID performance to guarantee a better sustainability in harsh environment.

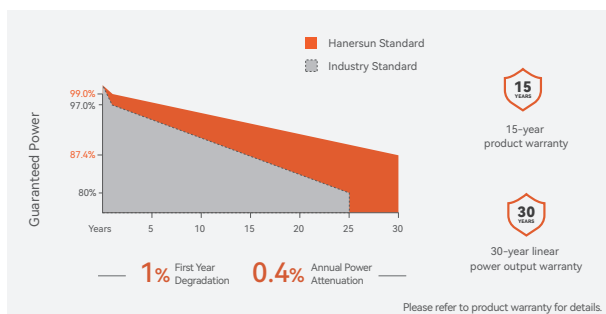


Lower Hot Spot and Crack Risk

Reduce hot-spot risk with optimized electrical design and lower operating current.

Reduce crack risk by optimization of solar cell design.

Power Warranty



Certificates



Warranty partner



About Hanersun

Hanersun is a world-leading clean energy company, focusing on R&D, manufacturing and distribution of solar module and energy storage system, as well as comprehensive clean energy solutions. Committed to high-efficiency technologies, the company is one of the first to launch PV modules of 600W+ and 700W+ in the industry.

Electrical Characteristics (STC)

Module Type	HN18N-72HT575W	HN18N-72HT580W	HN18N-72HT585W	HN18N-72HT590W	HN18N-72HT595W	HN18N-72HT600W
Maximum Power (Pmax)	575	580	585	590	595	600
Maximum Power Voltage (Vmp)	43.00	43.20	43.40	43.60	43.80	44.00
Maximum Power Current (Imp)	13.38	13.43	13.48	13.54	13.59	13.64
Open-circuit Voltage (Voc)	51.20	51.40	51.60	51.80	52.00	52.20
Short-circuit Current (Isc)	14.17	14.23	14.29	14.35	14.41	14.47
Module Efficiency(%)	22.3%	22.5%	22.6%	22.8%	23.0%	23.2%

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

Power Tolerance: 0~+3%

Electrical Characteristics (BNPI)

Module Type	575W	580W	585W	590W	595W	600W
Maximum Power (Pmax)	637	643	648	654	659	665
Maximum Power Voltage (Vmp)	43.00	43.20	43.40	43.60	43.80	44.00
Maximum Power Current (Imp)	14.82	14.89	14.94	15.00	15.05	15.12
Open-circuit Voltage (Voc)	51.20	51.40	51.60	51.80	52.00	52.20
Short-circuit Current (Isc)	15.70	15.77	15.83	15.90	15.97	16.04

BNPI: Irradiance: Front 1000W/m², Rrear 135W/m², Cell Temperature 25°C, Air Mass AM1.5.

Mechanical Parameters

Solar Cells	N-TYPE Monocrystalline (182mm)	No. of Cells	144 [2 x (12 x 6)]
Module Dimensions	2278*1134*30mm	Weight	30.9kg
Frame	Anodized Aluminium Alloy	J-Box	IP68
Front Glass	2.0 mm, AR Coating Heat Strengthened Glass	Connector	Z4S-abcd/MC4-EVO 2A/Others
Back Glass	2.0 mm, Heat Strengthened Glass	Cables (Including Connector)	4.0mm², 300/300mm (can be customized)

Operating Parameters

Operational Temperature	-40°C~+70°C
Maximum System Voltage	1500V DC (IEC)
Maximum Series Fuse Rating	30A
Bifaciality	80±5%
Fire Class Rating	Class C

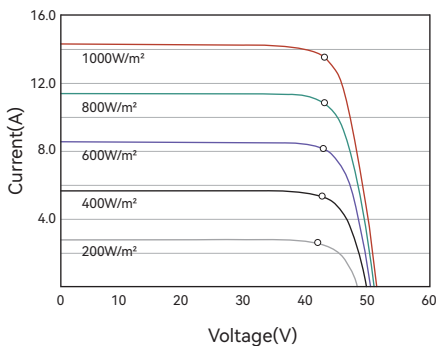
Temperature Ratings

Temperature Coefficient of Pmax	-0.28%/°C
Temperature Coefficient of Voc	-0.23%/°C
Temperature Coefficient of Isc	+0.045%/°C

Packaging

Pcs per Pallet: 37	Pcs per 40' HC: 740
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I-V Curves of PV Module (585W)



P-V Curves of PV Module (585W)

