



Hitouch 5N

HN18N-72HT

575-600W



Long-Term Reliability



Lower Hot Spot and Crack Risk



Higher Power Output



Excellent Temperature Coefficient

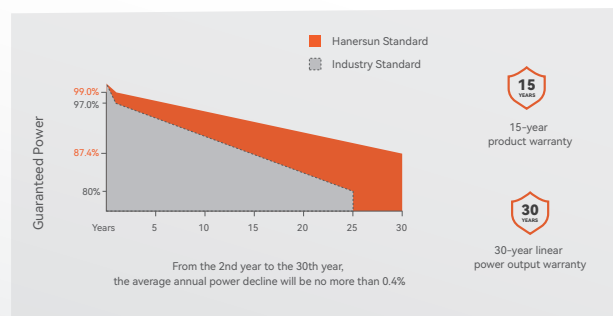
BIFACIAL

High Efficiency Module

23.2%

Maximum Efficiency

Power Warranty



Certificates



Warranty partner

Munich RE

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, Rear 135W/m², Cell Temperature 25°C, Air Mass AM1.5.

Mechanical Parameters

Solar Cells	N-TYPE Monocrystalline (182mm)
Module Dimensions	2278*1134*30mm
Front Glass	2.0 mm, Anti-reflection Coating
Back Glass	2.0 mm, Heat Strengthened Glass
Frame	Anodized Aluminium Alloy

No. of Cells	144 [2 x (12 x 6)]
Weight	30.9kg
J-Box	IP68
Connector	Z4S-abcd/MC4-EVO 2A/Others
Cables	4.0mm ² , 300/300mm (can be customized)

Operating Parameters

Operational Temperature	-40°C~+70°C
Maximum System Voltage	1500V DC (IEC)
Maximum Series Fuse Rating	30A
Bifacility	80±5%
Fire Type	UL Type 29

Temperature Ratings

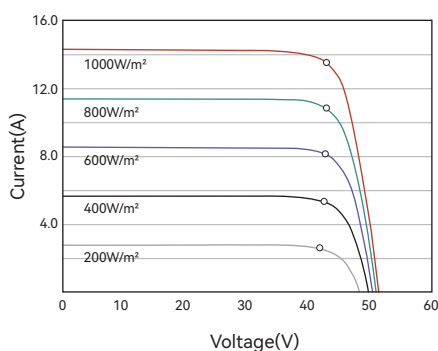
Temperature Coefficient of Pmax	-0.28%/°C
Temperature Coefficient of Voc	-0.23%/°C
Temperature Coefficient of Isc	+0.045%/°C

Packaging

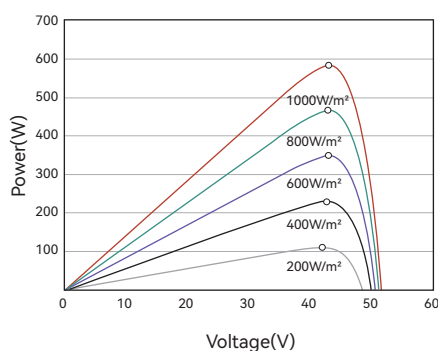
Pcs per Pallet: 37

Pcs per 40' HC: 740

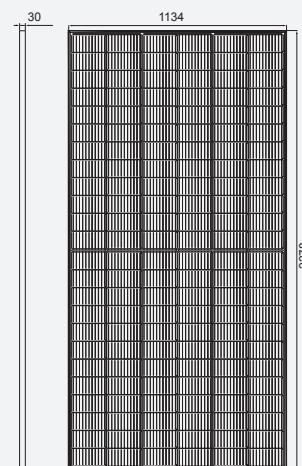
I-V Curves of PV Module (585W)



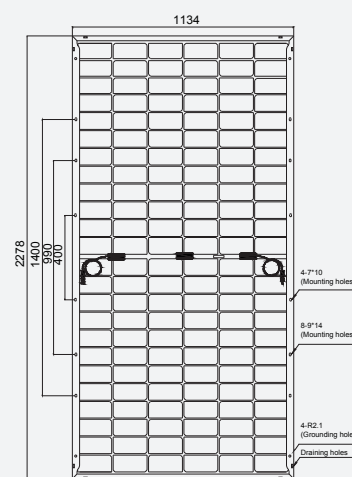
P-V Curves of PV Module (585W)



Dimensions (Unit: mm)



Front View



Long frame



Short frame

Back View