



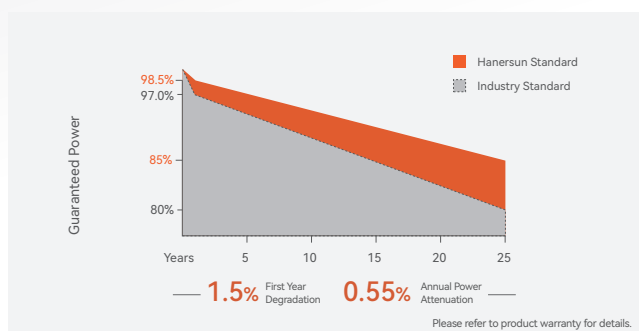
FLEXIBLE MODULE SERIES

Hitouch^{5N}

HN18N-72H-F

550-580W

Power Warranty



12-year product warranty



25-year linear power output warranty



Ultra-light

Glass free module weighs 8.5kg, about 70% lighter than conventional glass modules.



Safety

Integration with underlying installation surface, ensuring the waterproof performance and safety performance of the roof.



Easy to Install

No bracket, no penetration, reduces time on roof and saves installation costs.

Certificates



Reliable

Glass free module pass the same reliability tests as conventional glass modules, including IEC 61215, IEC61730, PID.

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-72H-F550W	HN18N-72H-F560W	HN18N-72H-F570W	HN18N-72H-F580W
Maximum Power (Pmax)	550	560	570	580
Maximum Power Voltage (Vmp)	42.63	43.18	43.68	44.19
Maximum Power Current (Imp)	12.91	12.97	13.05	13.13
Open-circuit Voltage (Voc)	52.32	52.58	52.77	53.03
Short-circuit Current (Isc)	13.65	13.69	13.78	13.86
Module Efficiency(%)	20.1%	20.5%	20.9%	21.2%

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

Power Tolerance: 0~+3%

Mechanical Parameters

Solar Cells	N-TYPE Monocrystalline(182mm)
No. of Cells	144 [12 x 12]
Module Dimensions	2260*1209*2.7mm
Weight	8.5kg
Backsheet	Strengthened White Backsheet
Frame	Frameless
J-Box	IP68
Cables (Including Connector)	4.0mm²,500/500mm (can be customized)
Connector	Z4S-abcd/MC4-EVO 2A/Others

Operating Parameters

Operational Temperature	-40°C~+70°C
Maximum System Voltage	1500V DC (IEC)
Maximum Series Fuse Rating	25A
Application Class	Class A

Temperature Ratings

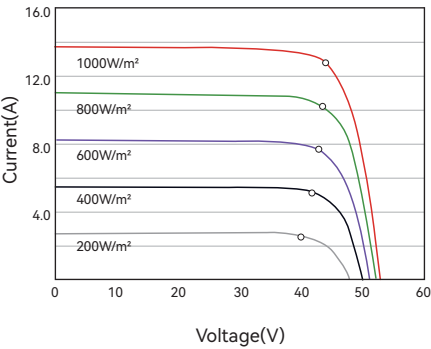
Temperature Coefficient of Pmax	-0.28%/°C
Temperature Coefficient of Voc	-0.23%/°C
Temperature Coefficient of Isc	+0.045%/°C

Packaging

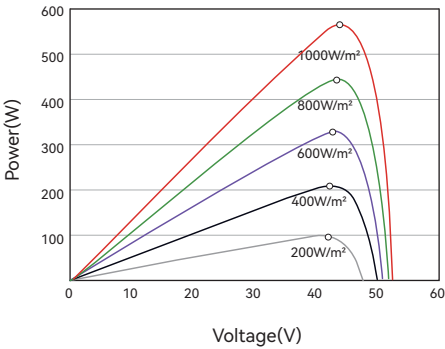
Pcs per Pallet: 70

Pcs per 40' HC: 700

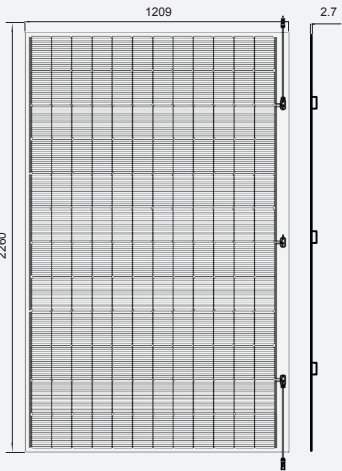
I-V Curves of PV Module (570W)



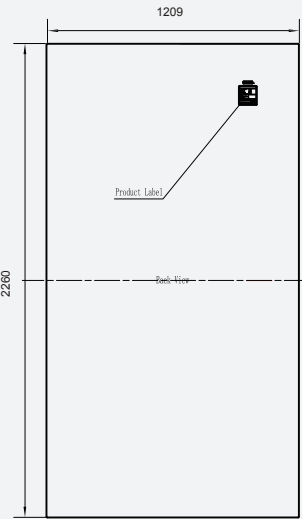
P-V Curves of PV Module (570W)



Dimensions (Unit: mm)



Front View



Back View