



Hitouch 5

HN18-72HT

535-560W

BIFACIAL

High Efficiency Module

21.7%

Maximum Efficiency



Long-Term Reliability

Module certified to withstand extreme wind (2400 Pascal) and snow loads (5400 Pascal).

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 MBB solar cell design.



Higher Power Output

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

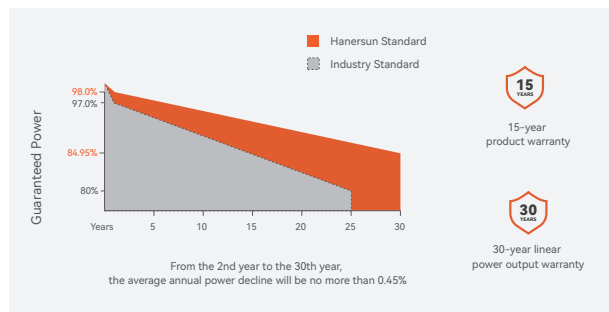
MBB technology enhances current collection with lower series resistance.



Excellent Temperature Coefficient

Lower operating temperature and temperature coefficient increases the power output.

Power Warranty



Certificates



Insurance

Munich RE

About Hanersun

Hanersun is a world-leading clean energy company, with a business scope from the R&D and intelligent manufacturing of solar modules, energy storage products, to comprehensive energy solutions.

Electrical Characteristics (STC)

Module Type	HN18-72HT535W	HN18-72HT540W	HN18-72HT545W	HN18-72HT550W	HN18-72HT555W	HN18-72HT560W
Maximum Power (Pmax)	535	540	545	550	555	560
Maximum Power Voltage (Vmp)	41.47	41.64	41.80	41.96	42.26	42.50
Maximum Power Current (Imp)	12.90	12.97	13.04	13.11	13.14	13.18
Open-circuit Voltage (Voc)	49.45	49.60	49.75	49.90	50.20	50.40
Short-circuit Current (Isc)	13.79	13.86	13.93	14.00	14.04	14.10
Module Efficiency(%)	20.7%	20.9%	21.1%	21.3%	21.5%	21.7%

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

Power Tolerance: 0~+3%

Electrical Characteristics (BNPI)

Module Type	535W	540W	545W	550W	555W	560W
Maximum Power (Pmax)	593	598	604	609	615	620
Maximum Power Voltage (Vmp)	41.47	41.64	41.80	41.96	42.26	42.50
Maximum Power Current (Imp)	14.30	14.37	14.45	14.52	14.56	14.59
Open-circuit Voltage (Voc)	49.45	49.60	49.75	49.90	50.20	50.40
Short-circuit Current (Isc)	15.28	15.36	15.43	15.51	15.56	15.62

BNPI: Irradiance: Front 1000W/m², Rear 135W/m², Cell Temperature 25°C, AM=1.5

Mechanical Parameters

Solar Cells	Monocrystalline (182mm)	No. of Cells	144 [2 x (12 x 6)]
Module Dimensions	2278*1134*30mm	Weight	32.5kg
Glass	2mm-2mm	J-Box	IP68
Frame	Anodized Aluminium Alloy	Connector	MC4-EVO 2A/Z4S-abcd/Others
Output Cable	4.0mm²	Cable Length	300/300mm (can be customized)

Operating Parameters

Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500V DC (IEC)
Maximum Series Fuse Rating	30A
Bifacility	75±5%
Fire Class Rating	Class C

Temperature Ratings

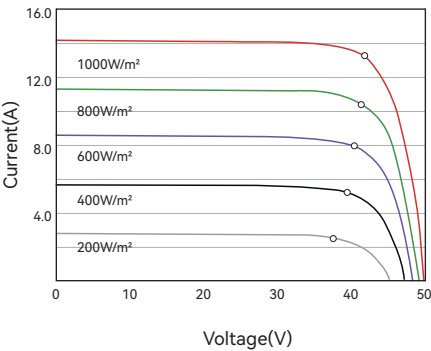
Temperature Coefficient of Pmax	-0.34%/°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Isc	+0.048%/°C

(Do not connect Fuse in Combiner Box with two or more strings in parallel connection)

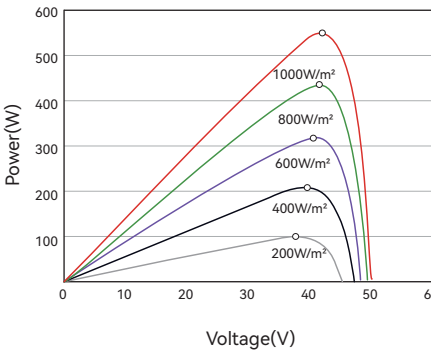
Packaging

Pcs per Pallet: 37	Pcs per 40' HC: 740
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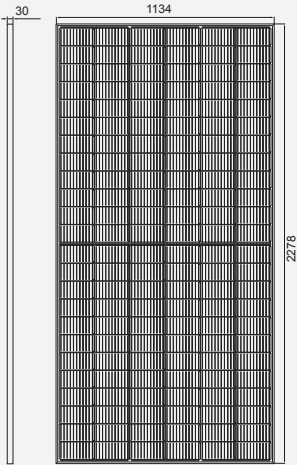
I-V Curves of PV Module (550W)



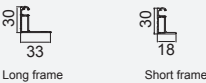
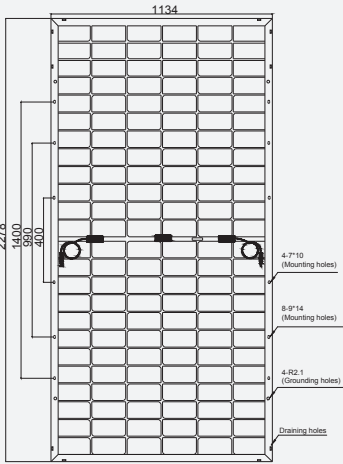
P-V Curves of PV Module (550W)



Dimensions (Unit: mm)



Front View



Back View