



Hitouch 5

HN18-54H

390-415W

MONOFACIAL

High Efficiency Module

21.3%

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.



Higher Power Output

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

MBB technology enhances current collection with lower series resistance.



Lower Hot Spot and Crack Risk

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

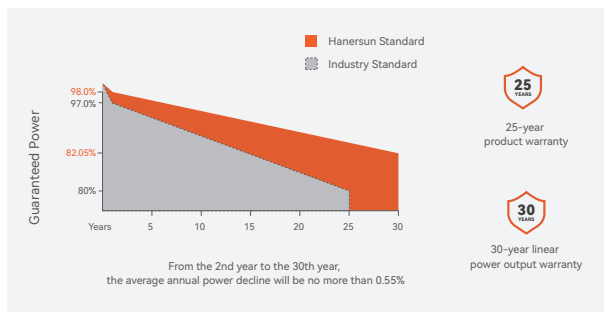
Reduce crack risk by MBB solar cell design.



Excellent Temperature Coefficient

Lower operating temperature and temperature coefficient increases the power output.

Power Warranty



Certificates



Insurance



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	HN18-54H390W	HN18-54H395W	HN18-54H400W	HN18-54H405W	HN18-54H410W	HN18-54H415W
Maximum Power (Pmax)	390	395	400	405	410	415
Maximum Power Voltage (Vmp)	30.42	30.62	30.82	31.02	31.22	31.43
Maximum Power Current (Imp)	12.82	12.88	12.94	13.00	13.06	13.21
Open-circuit Voltage (Voc)	36.54	36.74	36.94	37.14	37.34	37.55
Short-circuit Current (Isc)	13.50	13.55	13.60	13.65	13.70	13.85
Module Efficiency(%)	20.0%	20.2%	20.5%	20.7%	21.0%	21.3%

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

Power Tolerance: 0~+3%

Mechanical Parameters

Solar Cells	Monocrystalline (182mm)
No. of Cells	108 [2 x (9 x 6)]
Module Dimensions	1722*1134*30mm
Weight	21.5kg
Glass	3.2mm, Anti-reflection Coating, High Transmission, Low Iron, Tempered Glass
Backsheet	White
Frame	Anodized Aluminium Alloy
J-Box	IP68
Output Cable	4.0mm²
Cable Length	Length Portrait:300/300mm (can be customized)
Connector	MC4-EVO 2A/Z4S-abcd/Others

Operating Parameters

Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500V DC (IEC)
Maximum Series Fuse Rating	25A
Bifacility	/
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

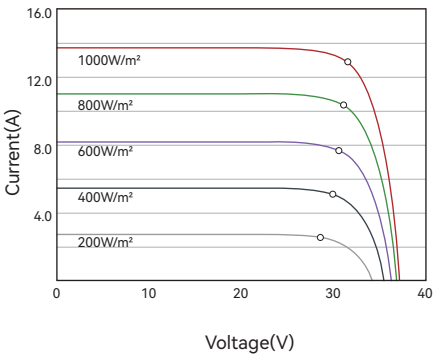
(Do not connect Fuse in Combiner Box with two or more strings in parallel connection)

Packaging

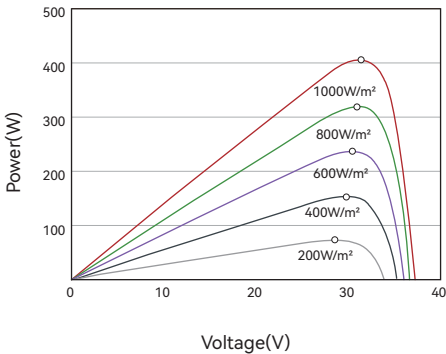
Pcs per Pallet: 37

Pcs per 40' HC: 962

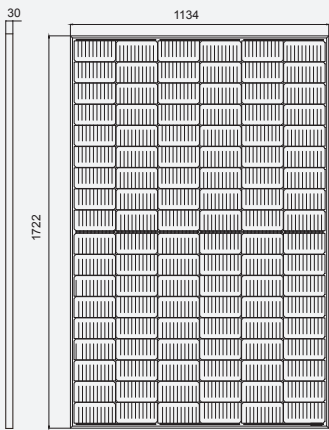
I-V Curves of PV Module (405W)



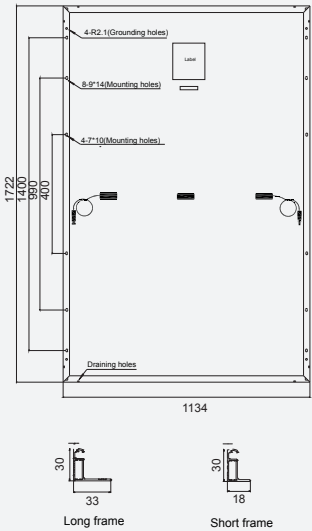
P-V Curves of PV Module (405W)



Dimensions (Unit: mm)



Front View



Back View