PERC

HANERSUN

Hitouch 6

HN21-66HT

645-670W

BIFACIAL
High Efficiency Module

21.6%
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

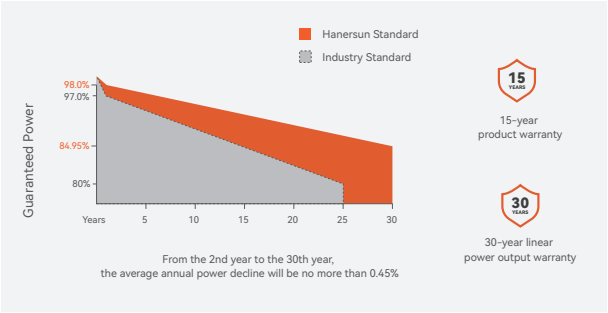
Reduce hot-spot risk with optimized electrical design and lower operating current.

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

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	HN21-66HT645W	HN21-66HT650W	HN21-66HT655W	HN21-66HT660W	HN21-66HT665W	HN21-66HT670W
Maximum Power (Pmax)	645	650	655	660	665	670
Maximum Power Voltage (Vmp)	37.70	37.90	38.10	38.30	38.50	38.70
Maximum Power Current (Imp)	17.11	17.16	17.20	17.24	17.28	17.32
Open-circuit Voltage (Voc)	44.80	45.00	45.20	45.40	45.60	45.80
Short-circuit Current (Isc)	18.35	18.39	18.43	18.47	18.51	18.55
Module Efficiency(%)	20.8%	20.9%	21.1%	21.2%	21.4%	21.6%

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

Power Tolerance: 0~+3%

Electrical Characteristics（BNPI）

Module Type	645W	650W	655W	660W	665W	670W
Maximum Power (Pmax)	715	720	726	731	737	742
Maximum Power Voltage (Vmp)	37.70	37.90	38.10	38.30	38.50	38.70
Maximum Power Current (Imp)	18.97	19.00	19.06	19.09	19.15	19.18
Open-circuit Voltage (Voc)	44.80	45.00	45.20	45.40	45.60	45.80
Short-circuit Current (Isc)	20.33	20.38	20.42	20.46	20.51	20.55

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

Mechanical Parameters

Solar Cells	Monocrystalline (210mm)	No. of Cells	132 [2 x (11 x 6)]
Module Dimensions	2384*1303*33mm	Weight	38.5kg
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℃~+85℃
Maximum System Voltage	1500V DC (IEC)
Maximum Series Fuse Rating	35A
Bifacility	80±5%
Fire Class Rating	Class C

Temperature Ratings

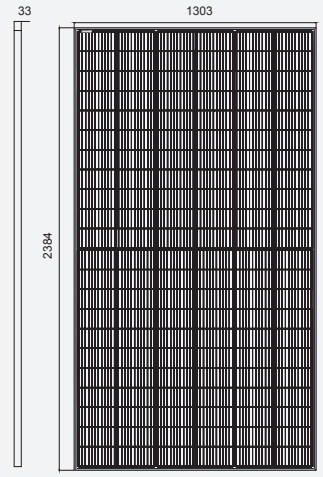
Temperature Coefficient of Pmax	-0.34%/℃
Temperature Coefficient of Voc	-0.28%/℃
Temperature Coefficient of Isc	+0.048%/℃

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

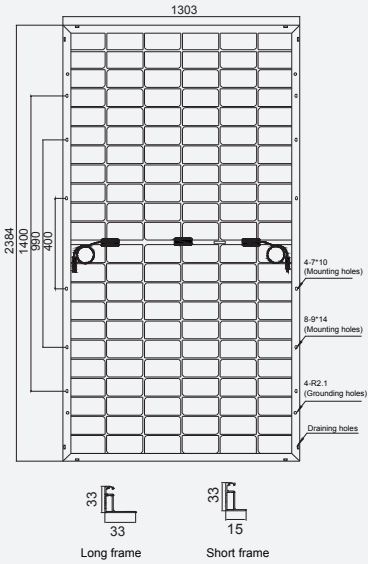
Packaging

Pcs per Pallet: 37	Pcs per 40' HC: 594

Dimensions (Unit: mm)

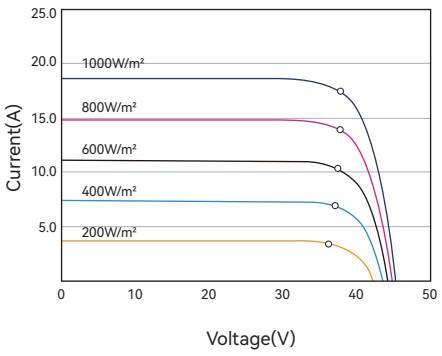


Front View

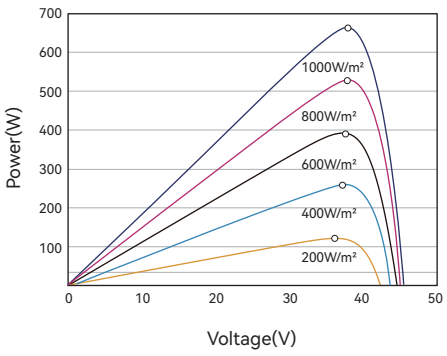


Back View

I-V Curves of PV Module (660W)



P-V Curves of PV Module (660W)



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