

Hitouch 6N

HN21RN-66HT

605-630W

BIFACIAL

High Efficiency Module

23.3%

Maximum Efficiency



Higher Power Output

Higher module conversion efficiency benefits from bigger wafer, half-cell structure and low thermal conductivity frame.

MBB technology enhances current collection with lower series resistance.



Adopt Innovative Composite Frame

Glass fiber polyurethane composite frame offers superior insulation to avoid protective grounding, along with PID resistance and superior resistance to chemical corrosion from salt spray, acids, and alkalis.

Its thermal expansion coefficient aligns with glass, reducing cell micro-cracks and glass rupture risks.



Long-Term Reliability

Enhanced mechanical strength allows for sustained operation in extreme conditions, withstanding 5400 Pa positive static load and 2400 Pa negative static load.

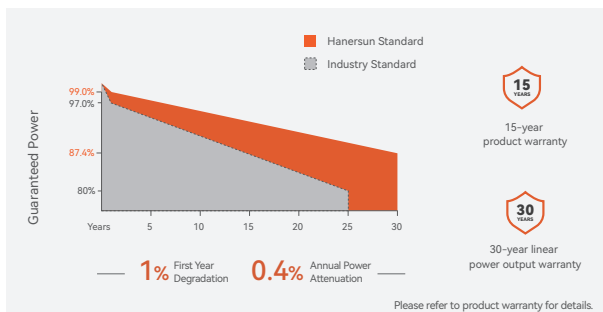


Elegant Appearance

A sleek aesthetic with stylish black frames, and other colors customizable.

Eco-friendly composite material that reduces carbon emissions to just 15% of aluminum, much lower carbon footprint.

Power Warranty



Certificates



Warranty partner



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	HN21RN-66HT605W	HN21RN-66HT610W	HN21RN-66HT615W	HN21RN-66HT620W	HN21RN-66HT625W	HN21RN-66HT630W
Maximum Power (Pmax)	605	610	615	620	625	630
Maximum Power Voltage (Vmp)	40.41	40.59	40.77	40.95	41.13	41.31
Maximum Power Current (Imp)	14.98	15.03	15.09	15.15	15.20	15.26
Open-circuit Voltage (Voc)	48.52	48.72	48.92	49.12	49.32	49.52
Short-circuit Current (Isc)	15.88	15.94	16.00	16.06	16.12	16.18
Module Efficiency(%)	22.4%	22.6%	22.8%	23.0%	23.1%	23.3%

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

Power Tolerance: 0~+3%

Electrical Characteristics (BNPI)

Module Type	605W	610W	615W	620W	625W	630W
Maximum Power (Pmax)	670	676	681	687	693	698
Maximum Power Voltage (Vmp)	40.41	40.59	40.77	40.95	41.13	41.31
Maximum Power Current (Imp)	16.59	16.66	16.71	16.78	16.85	16.90
Open-circuit Voltage (Voc)	48.52	48.72	48.92	49.12	49.32	49.52
Short-circuit Current (Isc)	17.60	17.66	17.73	17.79	17.86	17.93

BNPI: Irradiance: Front 1000W/m², Rear 135W/m², Cell Temperature 25°C, Air Mass AM1.5.

Mechanical Parameters

Solar Cells	N-TYPE Monocrystalline (210R)	No. of Cells	132 [2 x (11 x 6)]
Module Dimensions	2382*1134*30mm	Weight	32.5kg
Frame	Black Composite Frame	J-Box	IP68
Front Glass	2.0 mm, AR Coating Heat Strengthened Glass	Connector	Z4S-abcd/MC4-EVO 2A/Others
Back Glass	2.0 mm, Heat Strengthened Glass	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	35A
Bifaciality	80±5%
Fire Class Rating	Class C

Temperature Ratings

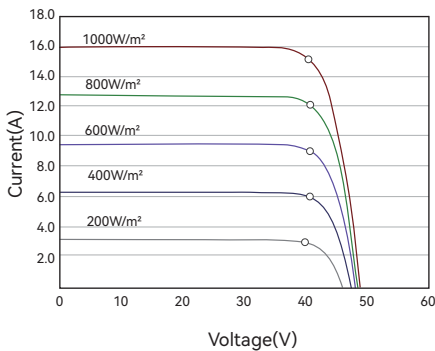
Temperature Coefficient of Pmax	-0.28%/°C
Temperature Coefficient of Voc	-0.23%/°C
Temperature Coefficient of Isc	+0.045%/°C

Packaging

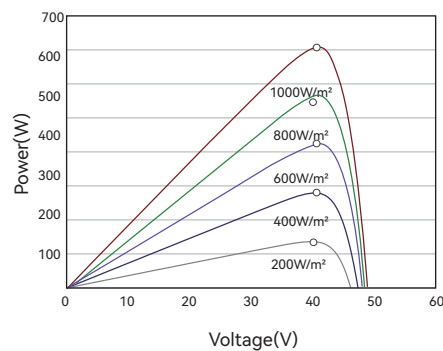
Pcs per Pallet: 37

Pcs per 40' HC: 740

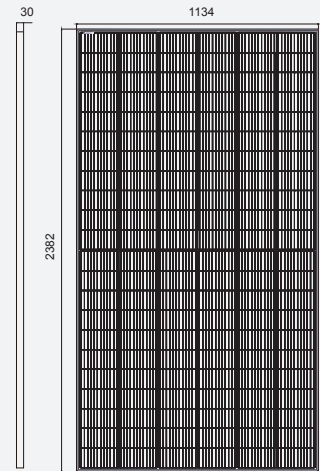
I-V Curves of PV Module (620W)



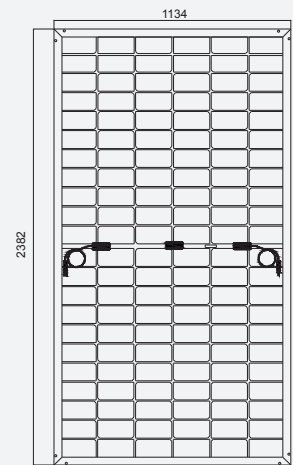
P-V Curves of PV Module (620W)



Dimensions (Unit: mm)



Front View



Back View