

Hitouch 6N

HN21RN-66HT

605-630W

BIFACIAL

High Efficiency Module

23.3%

Maximum Efficiency



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.



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.

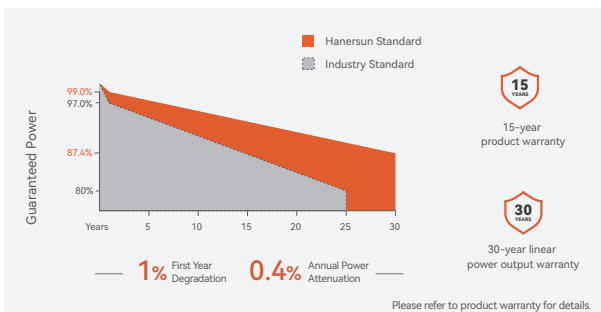


Elegant Appearance

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

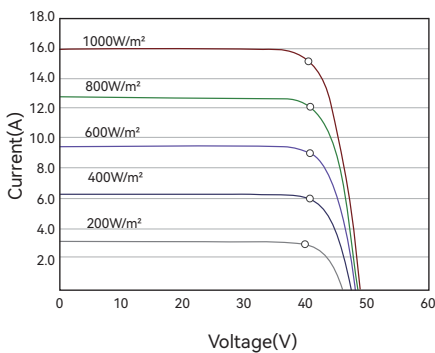
| | |
|---------------------------------|------------|
| Temperature Coefficient of Pmax | -0.28%/°C |
| Temperature Coefficient of Voc | -0.23%/°C |
| Temperature Coefficient of Isc | +0.045%/°C |

Packaging

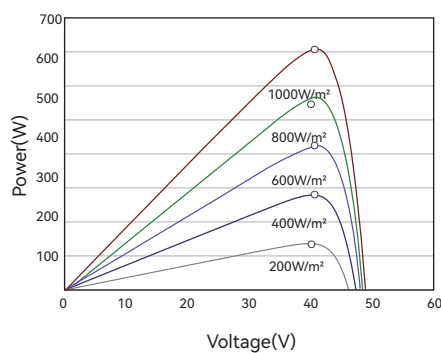
Pcs per Pallet: 37

Pcs per 40' HC: 740

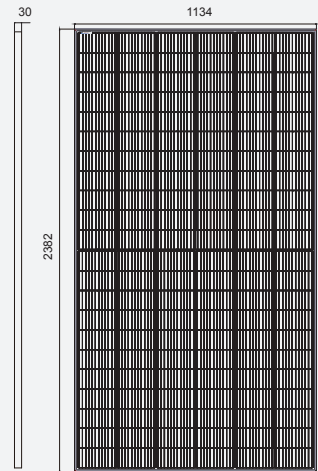
I-V Curves of PV Module (620W)



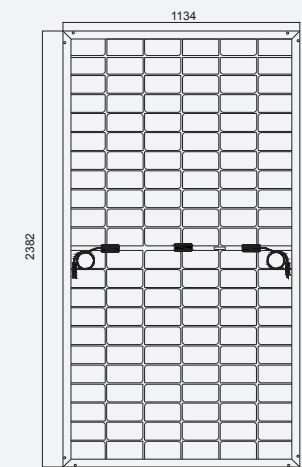
P-V Curves of PV Module (620W)



Dimensions (Unit: mm)



Front View



Back View