



## Hitouch 6N

### HN21N-60HT

## 615-640W

### BIFACIAL

High Efficiency Module

### 22.6%

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.



#### 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.

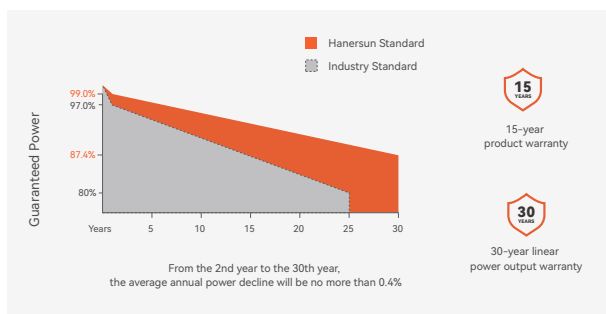
MBB technology enhances current collection with lower series resistance.



#### Excellent Temperature Coefficient

Lower operating temperature and temperature coefficient increases the power output.

### Power Warranty



### Certificates



Warranty partner

Munich RE

### 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	HN21N-60HT615W	HN21N-60HT620W	HN21N-60HT625W	HN21N-60HT630W	HN21N-60HT635W	HN21N-60HT640W
Maximum Power (Pmax)	615	620	625	630	635	640
Maximum Power Voltage (Vmp)	35.87	36.07	36.28	36.48	36.68	36.88
Maximum Power Current (Imp)	17.15	17.19	17.23	17.27	17.32	17.36
Open-circuit Voltage (Voc)	42.60	42.80	43.00	43.20	43.40	43.60
Short-circuit Current (Isc)	18.15	18.19	18.23	18.27	18.31	18.35
Module Efficiency(%)	21.7%	21.9%	22.1%	22.3%	22.4%	22.6%

STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5.

Power Tolerance: 0~+3%

## Electrical Characteristics (BNPI)

Module Type	615W	620W	625W	630W	635W	640W
Maximum Power (Pmax)	681	687	693	698	704	709
Maximum Power Voltage (Vmp)	35.87	36.07	36.28	36.48	36.68	36.88
Maximum Power Current (Imp)	18.99	19.05	19.11	19.14	19.20	19.23
Open-circuit Voltage (Voc)	42.60	42.80	43.00	43.20	43.40	43.60
Short-circuit Current (Isc)	20.11	20.15	20.20	20.24	20.29	20.33

BNPI: Irradiance: Front 1000W/m<sup>2</sup>, Rear 135W/m<sup>2</sup>, Cell Temperature 25°C, AM=1.5

## Mechanical Parameters

Solar Cells	N-TYPE Monocrystalline(210mm)	No. of Cells	120 [2 x (10 x 6) ]
Module Dimensions	2172*1303*30mm	Weight	34.7kg
Glass	2mm-2mm	J-Box	IP68
Frame	Anodized Aluminium Alloy	Connector	MC4-EVO 2A/Z4S-abcd/Others
Output Cable	4.0mm <sup>2</sup>	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	35A
Bifacility	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

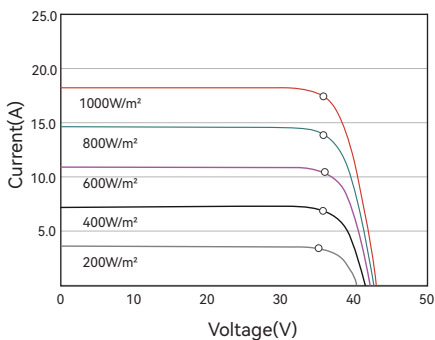
(Do not connect Fuse in Combiner Box with two or more strings in parallel connection)

## Packaging

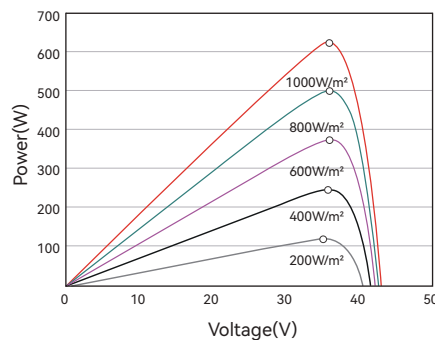
Pcs per Pallet: 37

Pcs per 40' HC: 666

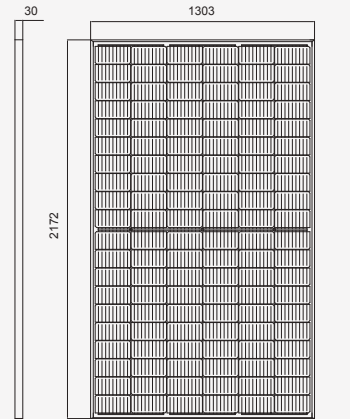
## I-V Curves of PV Module (625W)



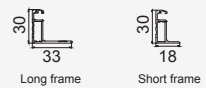
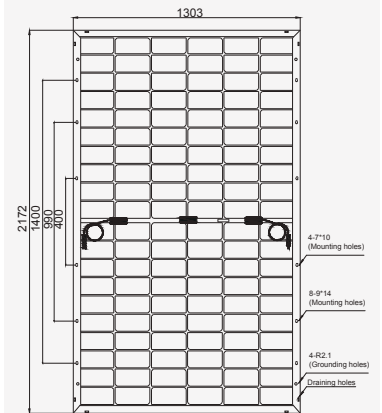
## P-V Curves of PV Module (625W)



## Dimensions (Unit: mm)



Front View



Back View