



## Hitouch 5N

CP18-72HT

560-580W

### TOPCon

High Efficiency Module

22.45%

Maximum Efficiency

15 YEARS

Product Warranty



#### 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



#### 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.

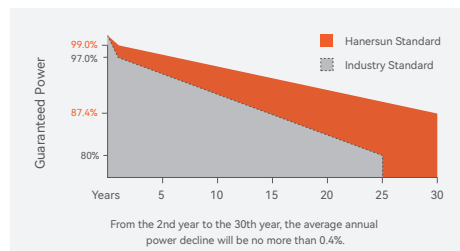


#### Lower Hot Spot and Crack Risk

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

Reduce crack risk by MBB solar cell design.

### Power Warranty



15-year product warranty



30-year linear power output warranty

### Insurance



Munich RE



太平洋保险 CPIC

### Certificates



### About Hanersun

Hanersun is a world leading solar module manufacturer and comprehensive energy solution provider. We provide customers with cutting edge solar modules, and services for the entire project life cycle.

## Electrical Characteristics

| Module Type                 | CP18-72HT560W |       | CP18-72HT565W |       | CP18-72HT570W |       | CP18-72HT575W |       | CP18-72HT580W |       |
|-----------------------------|---------------|-------|---------------|-------|---------------|-------|---------------|-------|---------------|-------|
| Testing Condition           | STC           | NMOT  | STC           | NMOT  | STC           | NMOT  | STC           | NMOT  | STC           | NMOT  |
| Maximum Power (Pmax)        | 560           | 424   | 565           | 428   | 570           | 432   | 575           | 436   | 580           | 440   |
| Maximum Power Voltage (Vmp) | 42.40         | 39.80 | 42.60         | 40.00 | 42.80         | 40.20 | 43.00         | 40.40 | 43.20         | 40.60 |
| Maximum Power Current (Imp) | 13.21         | 10.65 | 13.27         | 10.70 | 13.32         | 10.74 | 13.38         | 10.79 | 13.43         | 10.84 |
| Open-circuit Voltage (Voc)  | 50.60         | 48.40 | 50.80         | 48.60 | 51.00         | 48.70 | 51.20         | 48.90 | 51.40         | 49.10 |
| Short-circuit Current (Isc) | 13.99         | 11.28 | 14.05         | 11.33 | 14.11         | 11.38 | 14.17         | 11.42 | 14.23         | 11.47 |
| Module Efficiency(%)        | 21.68%        |       | 21.87%        |       | 22.07%        |       | 22.26%        |       | 22.45%        |       |

STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5.  
\*Measuring tolerance: 0 ~ +5W

NMOT: Irradiance at 800W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s.

## Electrical Characteristics with 10% Solar Irradiation Ratio

| Module Type                 | CP18-72HT560W | CP18-72HT565W | CP18-72HT570W | CP18-72HT575W | CP18-72HT580W |
|-----------------------------|---------------|---------------|---------------|---------------|---------------|
| Maximum Power (Pmax)        | 615           | 620           | 626           | 631           | 637           |
| Maximum Power Voltage (Vmp) | 42.40         | 42.60         | 42.80         | 43.00         | 43.20         |
| Maximum Power Current (Imp) | 14.52         | 14.57         | 14.64         | 14.68         | 14.76         |
| Open-circuit Voltage (Voc)  | 50.60         | 50.80         | 51.00         | 51.20         | 51.40         |
| Short-circuit Current (Isc) | 15.38         | 15.45         | 15.52         | 15.58         | 15.65         |

## Mechanical Parameters

|                   |                                |
|-------------------|--------------------------------|
| Solar Cells       | Monocrystalline (182mm)        |
| Module Dimensions | 2278*1134*30mm                 |
| Glass             | 2mm-2mm                        |
| Frame             | Anodized Aluminium Alloy       |
| Output Cable      | 4.0mm <sup>2</sup> , 300/300mm |

|                      |                     |
|----------------------|---------------------|
| No. of Cells         | 144 [2 x (12 x 6) ] |
| Weight               | 32.5kg              |
| Encapsulant Material | EVA/POE             |
| J-Box                | IP68                |
| Connector            | MC4 Compatible      |

## Temperature Ratings

|                                           |            |
|-------------------------------------------|------------|
| NMOT (Nominal operating cell temperature) | 42°C(±2°C) |
| Temperature Coefficient of Pmax           | -0.310%/°C |
| Temperature Coefficient of Voc            | -0.260%/°C |
| Temperature Coefficient of Isc            | +0.046%/°C |

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

## Packaging

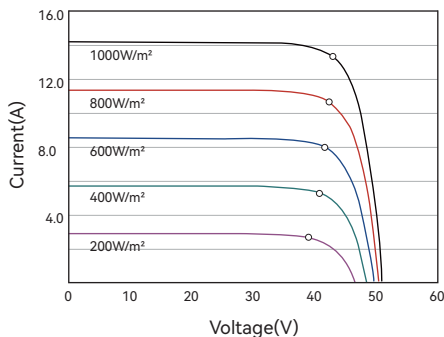
Pcs per Pallet: 36

## Operating Parameters

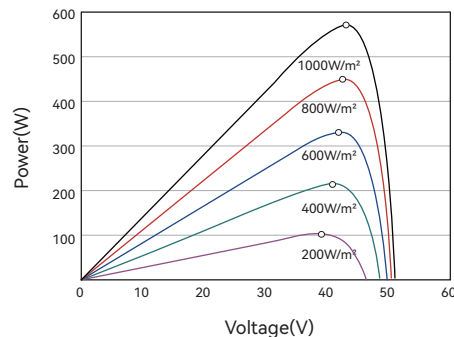
|                            |                |
|----------------------------|----------------|
| Operational Temperature    | -40°C~+85°C    |
| Maximum System Voltage     | 1500V DC (IEC) |
| Maximum Series Fuse Rating | 30A            |
| Bifaciality                | 80%-85%        |

Pcs per 40' HC: 720

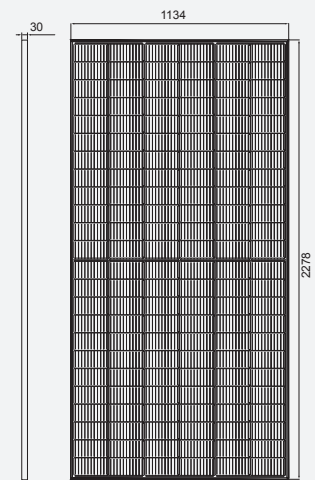
## I-V Curves of PV Module (570W)



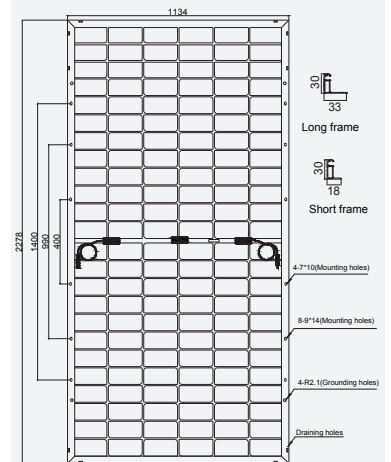
## P-V Curves of PV Module (570W)



## Dimensions (Unit: mm)



Front View



Back View