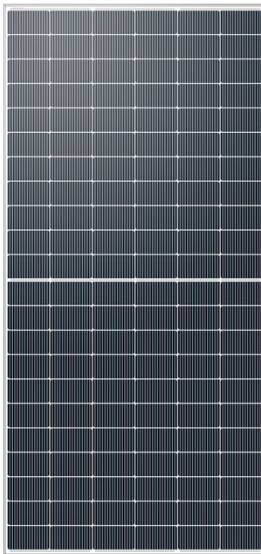


# HT66-18X(ND)-F

Double Glass TOPCon PV Module

**HIGH** High power

**610W/615W**  
**620W/625W/630W**



- Module Efficiency: 23.3%
- No. of Cells 132(6×22)
- Weight 33.5(±0.5)kg
- Dimensions 2382×1134×30mm
- Bifaciality 80(±5)%



Shanghai Aerospace Automobile  
Electromechanical Co., Ltd.  
Website: [www.ht-saae.com](http://www.ht-saae.com)  
E-mail: [pvmarketing@ht-saae.com](mailto:pvmarketing@ht-saae.com)



Factory:  
Lianyungang Shenzhou New Energy CO., Ltd.



Half cut cell technology can reduce the internal power loss and improve module overall power. Excellent heat dissipation avoids hot spot production.

**15Ys**

Products warranty

**30Ys**

Warranty on power output

**EL**

Microcrack resistant  
Double glass structure enhance reliability,  
double EL tested of high quality control.



Entire module certified to with stand extreme wind(2400 Pa) and snow loads (5400 Pa)

**TOPCon**

Double glass, The optimized number and width of main gate lines, Maximize the light receiving area of modules and Reduce module power consumption.



**1500V**

Designed for high voltage systems of up to 1500 VDC, increasing the string length of solar systems and saving on BoS costs.



**2%**

All the modules are sorted and packaged by amperage, reducing mismatch losses and maximizing system output.

**0~+3%**

Positive tolerance  
0~+3% guaranteed

Anti **PID**

PID resistant

**Comprehensive and first-rate certification system**

IEC 61215, IEC 61730 Latest Standard  
SA 8000, ISO 9001, ISO 14001 and ISO 45001  
meeting the highest international standards  
Strict quality control



### Electrical Characteristics (STC)

| Module Type                | HT66-18X(ND)-F |        |        |        |        |
|----------------------------|----------------|--------|--------|--------|--------|
| Maximum Power(Pmax)        | 610W           | 615W   | 620W   | 625W   | 630W   |
| Open Circuit Voltage(Voc)  | 47.9V          | 48.1V  | 48.3V  | 48.5V  | 48.7V  |
| Short Circuit Current(Isc) | 16.05A         | 16.10A | 16.15A | 16.20A | 16.25A |
| Maximum Power Voltage(Vmp) | 39.8V          | 40.0V  | 40.2V  | 40.4V  | 40.6V  |
| Maximum Power Current(Imp) | 15.33A         | 15.38A | 15.43A | 15.48A | 15.53A |
| Module Efficiency          | 22.6%          | 22.8%  | 23.0%  | 23.1%  | 23.3%  |
| Power Tolerance            | 0 ~ +3%        |        |        |        |        |
| Maximum System Voltage     | 1500V DC(IEC)  |        |        |        |        |
| Maximum Series Fuse Rating | 30A            |        |        |        |        |
| Operating Temperature      | -40°C to +85°C |        |        |        |        |

\* STC: AM 1.5, Irradiance 1000W/m<sup>2</sup>, module temperature 25°C

### Electrical Characteristics (NMOT)

| Module Type                | HT66-18X(ND)-F |        |        |        |        |
|----------------------------|----------------|--------|--------|--------|--------|
| Maximum Power(Pmax)        | 464W           | 468W   | 471W   | 475W   | 479W   |
| Open Circuit Voltage(Voc)  | 46.0V          | 46.2V  | 46.4V  | 46.6V  | 46.8V  |
| Short Circuit Current(Isc) | 12.93A         | 12.97A | 13.02A | 13.06A | 13.10A |
| Maximum Power Voltage(Vmp) | 38.2V          | 38.4V  | 38.6V  | 38.8V  | 39.0V  |
| Maximum Power Current(Imp) | 12.15A         | 12.19A | 12.20A | 12.24A | 12.28A |

\* NMOT: Irradiance 800W/m<sup>2</sup>, ambient temperature 20°C, wind speed 1m/s

### Bifacial output-rearside power gain

|     |                     |       |       |       |       |       |
|-----|---------------------|-------|-------|-------|-------|-------|
| 5%  | Maximum Power(Pmax) | 641W  | 646W  | 651W  | 656W  | 662W  |
|     | Module Efficiency   | 23.7% | 23.9% | 24.1% | 24.3% | 24.5% |
| 15% | Maximum Power(Pmax) | 702W  | 707W  | 713W  | 719W  | 725W  |
|     | Module Efficiency   | 26.0% | 26.2% | 26.4% | 26.6% | 26.8% |
| 25% | Maximum Power(Pmax) | 763W  | 769W  | 775W  | 781W  | 788W  |
|     | Module Efficiency   | 28.2% | 28.5% | 28.7% | 28.9% | 29.2% |

Nominal Module Operating Temperature(NMOT) 43±2°C

Temperature Coefficient of Pmax  $\gamma$  (Pm) -0.29%/°C

Temperature Coefficient of Voc  $\beta$  (Voc) -0.25%/°C

Temperature Coefficient of Isc  $\alpha$  (Isc) 0.046%/°C

Solar Cells Monocrystalline

No. of Cells 132 (6×22)

Dimensions 2382×1134×30mm

Weight 33.5(±0.5) kg

Glass (Front /Back) High transmission coated tempered glass/Heat strengthened glass

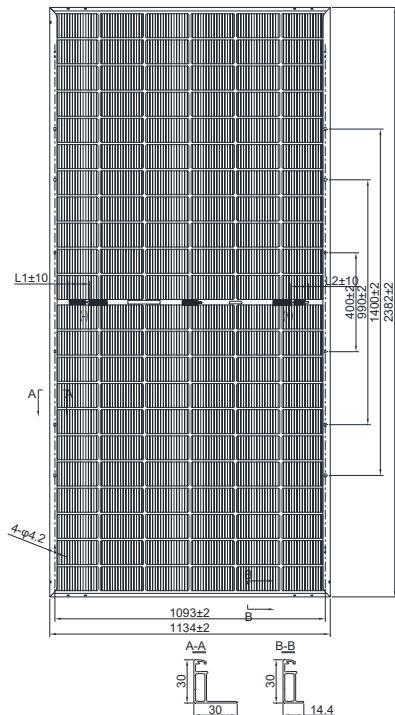
Frame Anodized aluminum alloy

Junction Box IP68

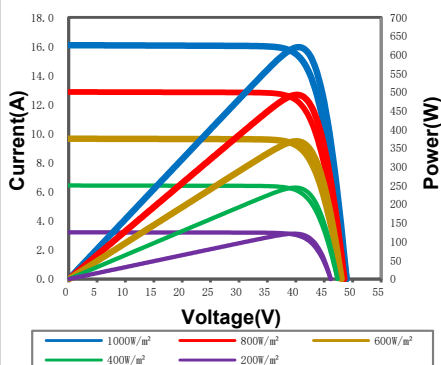
Cable 4mm<sup>2</sup> (IEC) Length: (+) 200mm, (-) 300mm or customized

Connectors MC4 / MC4 Compatible

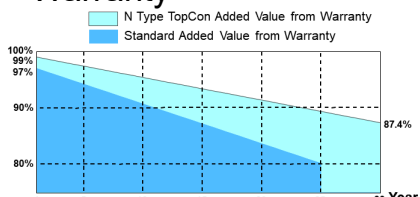
Packaging Configuration 36 pcs/box: 720 pcs/ 40' HQ Container



### IV Curves



### Warranty



15-year product warranty\*

30-year warranty on power output\*

\* Specific information is referred to the product quality guarantee

\*The module recycling should be carried out by the professional institutions at the end of module life cycle

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