

Reliable State - owned Enterprise Deliver Solar Power since 1960s

HT72-18X(N)

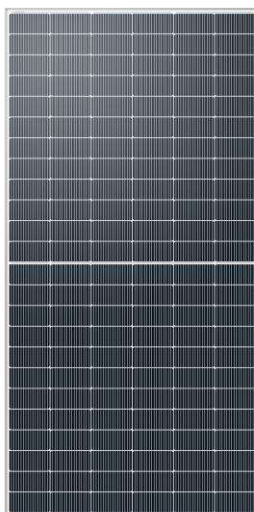
Single Glass TOPCon PV Module

HIGH

High power

565W/570W

575W/580W/585W



- Module Efficiency: 22.6%
- No. of Cells 144(6×24)
- Weight 28.5(±0.5)kg
- Dimensions 2278×1134×35mm
- Monocrystalline 182×91mm



Shanghai Aerospace Automobile
Electromechanical Co., Ltd.
Website: www.ht-saae.com
E-mail: 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.

12Ys

Products warranty

25Ys

Warranty on power output

EL

Microcrack resistant
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

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.

5W

Positive tolerance
0/+5w guaranteed

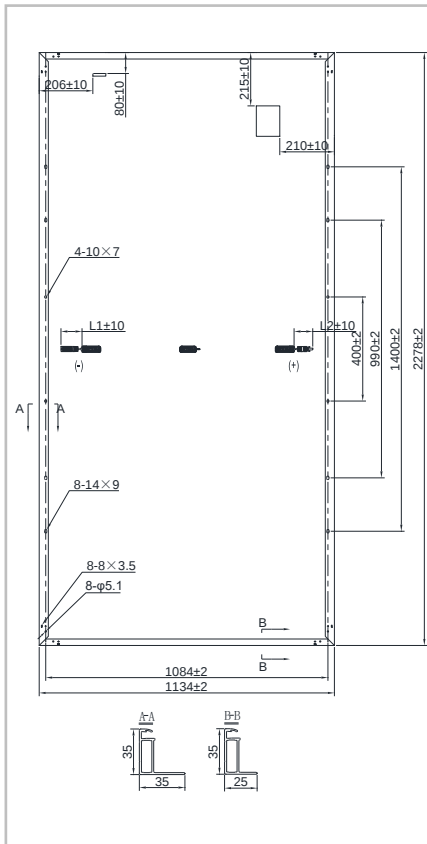
Anti PID

PID resistant

**Comprehensive and first-rate
certification system**

IEC 61215:2016, IEC 61730:2016 Latest Standard
ISO 9001, ISO 14001 and ISO 45001,
meeting the highest international standards
Strict quality control





Electrical Characteristics (STC)

Module Type	HT72-18X(N)				
Maximum Power(Pmax)	565W	570W	575W	580W	585W
Open Circuit Voltage(Voc)	50.7V	50.9V	51.1V	51.3V	51.5V
Short Circuit Current(Isc)	14.15A	14.23A	14.31A	14.39A	14.47A
Maximum Power Voltage(Vmp)	42.5V	42.7V	42.9V	43.1V	43.3V
Maximum Power Current(Imp)	13.31A	13.37A	13.41A	13.47A	13.53A
Module Efficiency	21.9%	22.1%	22.3%	22.5%	22.6%
Power Tolerance	0 ~ +5W				
Maximum System Voltage	1500V DC(IEC)				
Maximum Series Fuse Rating	25A				
Operating Temperature	-40°C to +85°C				

* STC: AM 1.5, Irradiance 1000W/m², module temperature 25°C

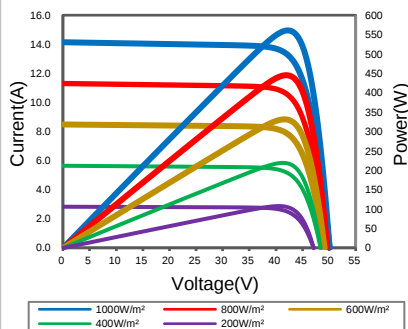
Electrical Characteristics (NMOT)

Module Type	HT72-18X(N)				
Maximum Power(Pmax)	430W	433W	437W	441W	445W
Open Circuit Voltage(Voc)	48.7V	48.9V	49.1V	49.2V	49.4V
Short Circuit Current(Isc)	11.40A	11.47A	11.53A	11.60A	11.66A
Maximum Power Voltage(Vmp)	40.8V	41.0V	41.2V	41.4V	41.6V
Maximum Power Current(Imp)	10.54A	10.56A	10.61A	10.65A	10.70A

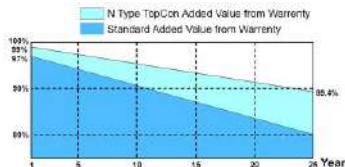
* NMOT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s

Nominal Module Operating Temperature(NMOT)	43±2°C	
Temperature Coefficient of Pmax	γ (Pm)	-0.31%/°C
Temperature Coefficient of Voc	β (Voc)	-0.25%/°C
Temperature Coefficient of Isc	α (Isc)	0.046%/°C
Solar Cells	Monocrystalline 182× 91mm	
No. of Cells	144 (6×24)	
Dimensions	2278mm×1134mm×35mm	
Weight	28.5 (±0.5) kg	
Glass	High light transmittance coated tempered glass	
Frame	Anodized aluminum alloy	
Junction Box	IP68	
Cable	4mm ² (IEC) length: (+) 200mm, (-) 300mm	
Connectors	MC4 / MC4 Compatible	
Packaging Configuration	31 pcs/box: 620 pcs/ 40' HQ Container	

IV Curves



Warranty



12-year product warranty*

25-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

*Copyright@2022V3 Specifications are subject to change without further notification