

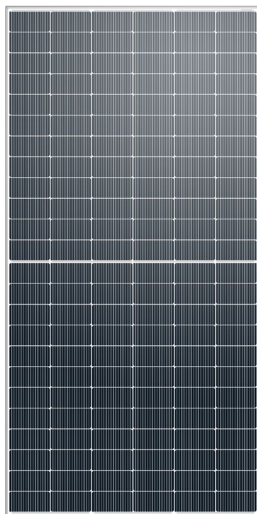
HT72-18X(ND)-F

Double Glass TOPCon PV Module

HIGH High power

585W/590W

595W/600W/605W



- Module Efficiency 23.4%
- No. of Cells 144(6×24)
- Weight 32.5(±0.5)kg
- Dimensions 2278×1134×30mm
- Bifaciality 80(±5)%



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.

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%

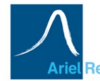
Positive tolerance
0~+3% guaranteed

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



585W/590W/595W/600W/605W

Electrical Characteristics (STC)

Module Type	HT72-18X(ND)-F				
Maximum Power(Pmax)	585W	590W	595W	600W	605W
Open Circuit Voltage(Voc)	51.5V	51.7V	51.9V	52.1V	52.3V
Short Circuit Current(Isc)	14.47A	14.55A	14.63A	14.71A	14.76A
Maximum Power Voltage(Vmp)	43.3V	43.4V	43.6V	43.8V	44.0V
Maximum Power Current(Imp)	13.53A	13.60A	13.65A	13.71A	13.76A
Module Efficiency	22.6%	22.8%	23.0%	23.2%	23.4%
Power Tolerance	0 ~ +3%				
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, temperature 25°C

Electrical Characteristics (NMOT)

Module Type	HT72-18X(ND)-F				
Maximum Power(Pmax)	445W	449W	452W	456W	460W
Open Circuit Voltage(Voc)	49.4V	49.6V	49.8V	50.0V	50.2V
Short Circuit Current(Isc)	11.66A	11.73A	11.79A	11.85A	11.89A
Maximum Power Voltage(Vmp)	41.6V	41.7V	41.9V	42.0V	42.2V
Maximum Power Current(Imp)	10.70A	10.77A	10.79A	10.86A	10.90A

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

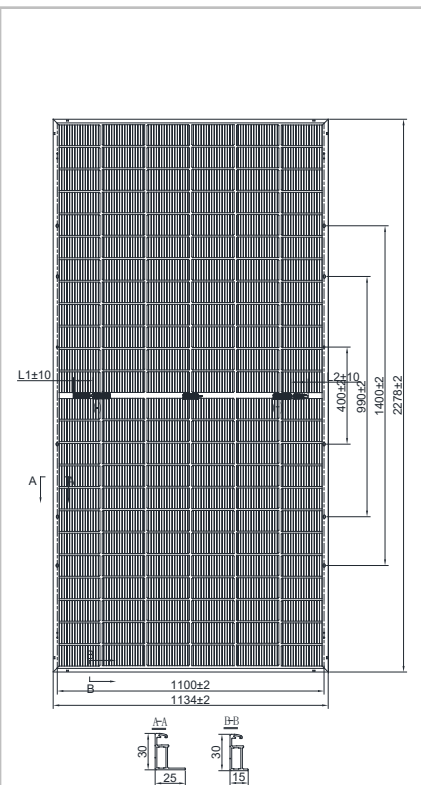
Bifacial output-rearside power gain

5%	Maximum Power(Pmax)	614W	620W	625W	630W	635W
	Module Efficiency	23.8%	24.0%	24.2%	24.4%	24.6%
15%	Maximum Power(Pmax)	673W	679W	684W	690W	696W
	Module Efficiency	26.0%	26.3%	26.5%	26.7%	26.9%
25%	Maximum Power(Pmax)	731W	738W	744W	750W	756W
	Module Efficiency	28.3%	28.5%	28.8%	29.0%	29.3%

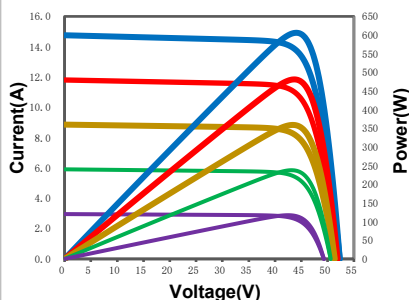
Nominal Module Operating Temperature(NMOT) 43±2°C

Temperature Coefficient of Pmax	γ (Pm)	-0.29%/°C
Temperature Coefficient of Voc	β (Voc)	-0.25%/°C
Temperature Coefficient of Isc	α (Isc)	0.046%/°C

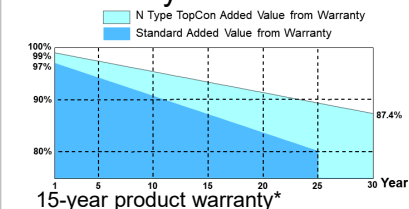
Solar Cells	Monocrystalline
No. of Cells	144 (6×24)
Dimensions	2278×1134×30mm
Weight	32.5 (±0.5) kg
Glass (Front /Back)	AR Coating glass/Heat strengthened glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Cable	4mm ² (IEC) Length: (+) 200mm, (-) 300mm or customized
Connectors	MC4 / MC4 Compatible
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

*Copyright@2025V2 Specifications are subject to change without further notification