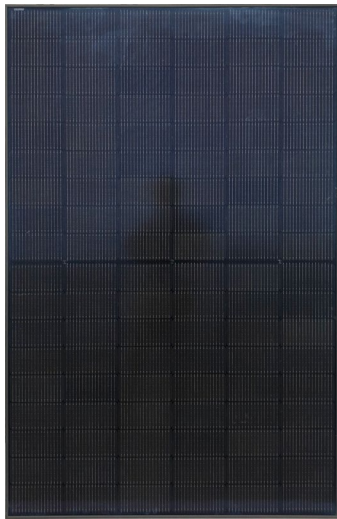


HT54-18X(ND)-F

Double Glass N-type PV Module

HIGH High power

415W/420W
425W/430W/435W



- Module Efficiency: 22.3%
- No. of Cells 108(6×18)
- Weight 24.0(±0.5)kg
- Dimensions 1722×1134×30mm
- Monocrystalline 182×91mm
- Bifaciality 80(±5)%



MULTIWAY+

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



Factory:
Lianyungang Shenzhou New Energy CO., Ltd.
Turkey HT Solar Energy Joint Stock Company



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

30Ys

Warranty on power output

EL

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



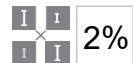
Entire module certified to with stand extreme wind(2400 Pa) and snow loads (5400 Pa)

TOPCon

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



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



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

5W

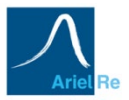
Positive tolerance 0/+5w guaranteed

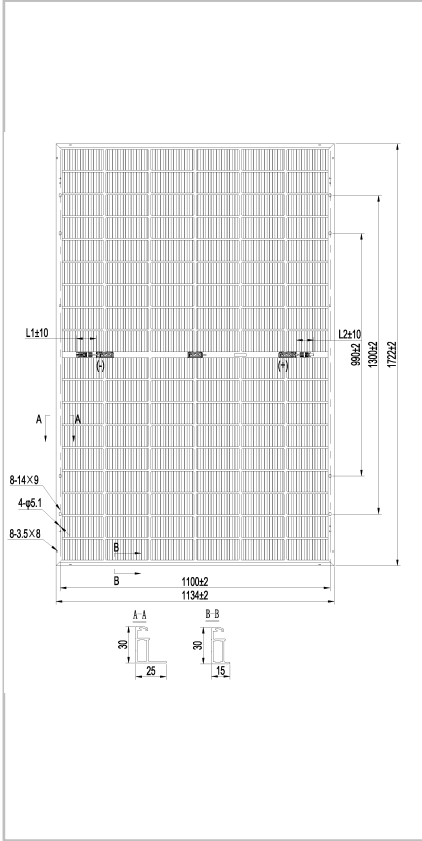
Anti PID

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	HT54-18X(ND)-F				
Maximum Power(Pmax)	415W	420W	425W	430W	435W
Open Circuit Voltage(Voc)	38.0V	38.1V	38.2V	38.3V	38.4V
Short Circuit Current(Isc)	13.99A	14.07A	14.15A	14.23A	14.31A
Maximum Power Voltage(Vmp)	31.3V	31.5V	31.7V	31.9V	32.0V
Maximum Power Current(Imp)	13.26A	13.34A	13.42A	13.50A	13.60A
Module Efficiency	21.3%	21.5%	21.8%	22.0%	22.3%
Power Tolerance	0 ~ +5W				
Maximum System Voltage	1500V DC(IEC)				
Maximum Series Fuse Rating	25A				
Operating Temperature	-40°C to +85°C				

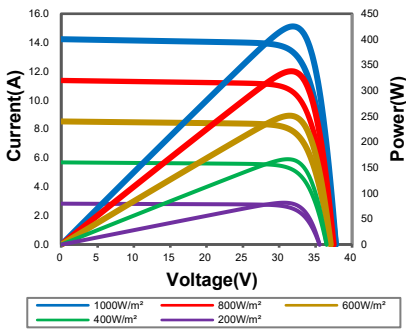
* STC: AM 1.5, Irradiance 1000W/m², module temperature 25°C

Electrical Characteristics (NMOT)

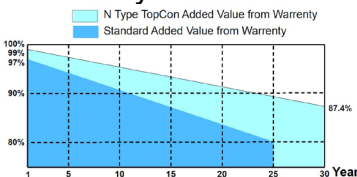
Module Type	HT54-18X(ND)-F				
Maximum Power(Pmax)	316W	319W	323W	327W	331W
Open Circuit Voltage(Voc)	36.5V	36.6V	36.7V	36.8V	36.9V
Short Circuit Current(Isc)	11.27A	11.34A	11.40A	11.47A	11.53A
Maximum Power Voltage(Vmp)	30.0V	30.2V	30.4V	30.6V	30.7V
Maximum Power Current(Imp)	10.53A	10.56A	10.63A	10.69A	10.78A

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

IV Curves



Warranty



12-year product warranty*

30-year warranty on power output*

* Specific information is referred to the product quality guarantee

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	108 (6×18)
Dimensions	1722mm×1134mm×30mm
Weight	24.0(±0.5)kg
Glass (Front /Back)	High transmission coated tempered glass/Black mesh glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Cable	4mm ² (IEC) Length: (+) 200mm, (-) 300mm
Connectors	MC4 / MC4 Compatible
Packaging Configuration	36 pcs/box: 936 pcs/ 40' HQ Container

*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