MULTIWAY+

HT-SAAE.PV

Reliable State - Owned Enterprise Deliver Solar Power Since 1960s

HT54-18X(N)

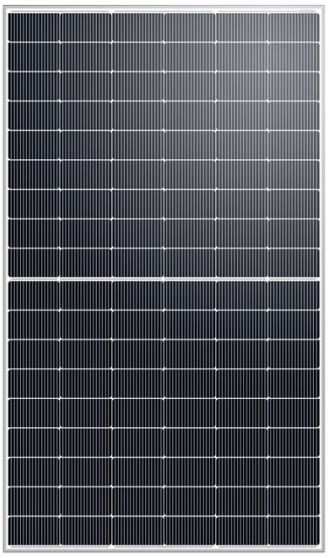
Single Glass TOPCon PV Module

HIGH High power

Shanghai Aerospace Automobile Electromechanical Co., Ltd.
Website: www.ht-saae.com.au
Address: 222 Caoxi Rd, the 8th Floor of Spaceflight Building, Shanghai P.R. China

Made in China

HT54-18X(N)
500W/505W/510W/515W/520W



- Module Efficiency: 23.4%
- No. of Cells 108(6×18)
- Weight 23.5 (±0.5) kg
- Dimensions 1960×1134×30mm
- For Australia market

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

15/30Ys
Product warranty
15Yrs for ground mounted
30Yrs for rooftop

30Ys
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.

0~+3%
Power sorting tolerance 0~+3% guaranteed

Anti PID
PID resistant
(available on request)

Comprehensive and first-rate certification system

IEC 61215:2021, IEC 61730:2023 Latest Standard
SA 8000,ISO 9001,ISO 14001 and ISO 45001 meeting the highest international standards
Strict quality control

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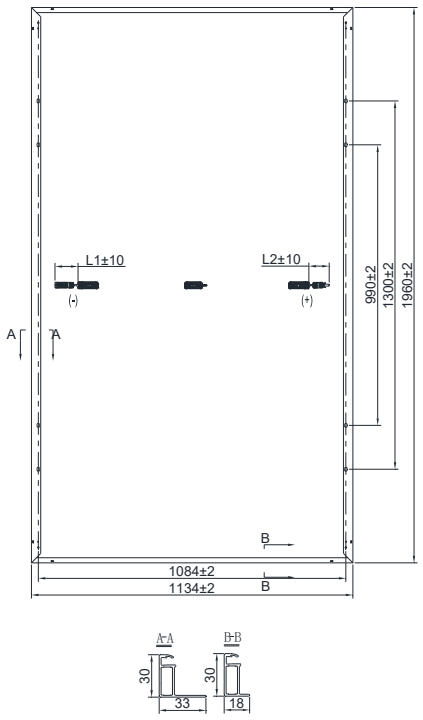
Better Choice For Higher Efficiency!

HT54-18X(N)

HT54-18X(N)-500W/505W/510W/515W/520W



Electrical Characteristics (STC)

Module Type	HT54-18X(N)				
Maximum Power(Pmax)	500W	505W	510W	515W	520W
Open Circuit Voltage(Voc)	40.1V	39.5V	39.7V	39.9V	40.0V
Short Circuit Current(Isc)	15.62A	16.10A	16.15A	16.20A	16.26A
Maximum Power Voltage(Vmp)	33.9V	32.7V	32.9V	33.1V	33.2V
Maximum Power Current(Imp)	14.77A	15.45A	15.51A	15.57A	15.67A
Module Efficiency	22.5%	22.7%	22.9%	23.2%	23.4%
Power/Voc/Isc Measurement Tolerances	±3%/±5%/±5%				
Maximum System Voltage	1500V DC(IEC)				
Maximum Series Fuse Rating	30A				
Operating Temperature	-40℃ to +85℃				

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

Electrical Characteristics (NMOT)

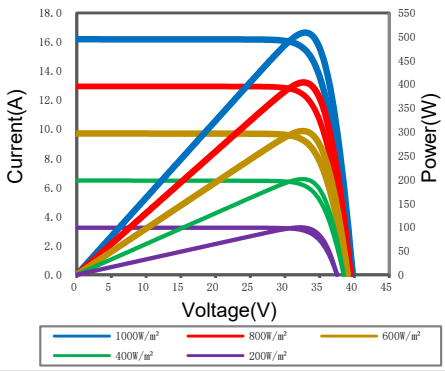
Module Type	HT54-18X(N)				
Maximum Power(Pmax)	380W	384W	388W	392W	395W
Open Circuit Voltage(Voc)	38.5V	37.9V	38.1V	38.3V	38.4V
Short Circuit Current(Isc)	12.59A	12.97A	13.02A	13.06A	13.10A
Maximum Power Voltage(Vmp)	32.5V	31.4V	31.6V	31.8V	31.9V
Maximum Power Current(Imp)	11.69A	12.23A	12.28A	12.33A	12.38A

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

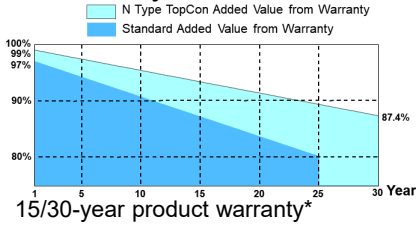
Nominal Module Operating Temperature(NMOT)		43±2℃
Temperature Coefficient of Pmax	γ (Pm)	-0.31%/℃
Temperature Coefficient of Voc	β (Voc)	-0.25%/℃
Temperature Coefficient of Isc	α (Isc)	0.046%/℃

Solar Cells	Monocrystalline
No. of Cells	108 (6×18)
Dimensions	1960×1134×30mm
Weight	23.5 (±0.5) kg
Glass	High light transmittance coated tempered glass
Frame	Anodized aluminum alloy
Junction Box/Connectors	IP68/PV-HT005-1 Shanghai Aerospace Automobile Electromechanical Co., Ltd.
Cable	4mm² (IEC) length: (+) 1200mm, (-) 1200mm or customized
Fire Rating	Class C
Packaging Configuration	36 pcs/box: 864 pcs/ 40' HQ Container

• IV Curves



• Warranty



15/30-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