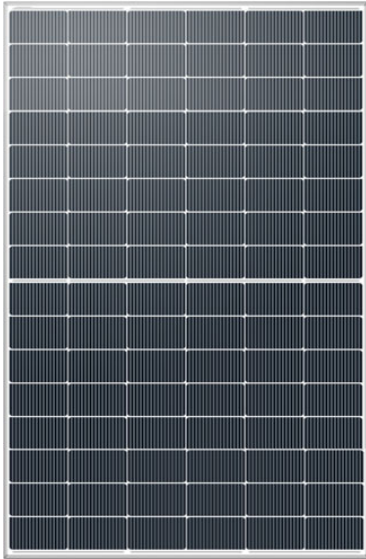


HT48-18X(N)

Single Glass TOPCon PV Module

HIGH High power

HT48-18X(N)
440W/445W/450W/455W/460W



- Module Efficiency: 23.0%
- No. of Cells 96(6×16)
- Weight 21.0 (±0.5) kg
- Dimensions 1762×1134×30mm
- For Australia market

MULTIWAY+



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



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



HT48-18X(N)-440W/445W/450W/455W/460W

Electrical Characteristics (STC)

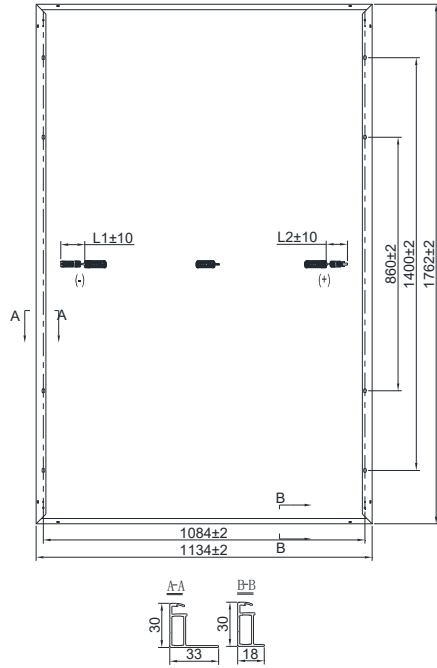
Module Type	HT48-18X(N)				
Maximum Power(Pmax)	440W	445W	450W	455W	460W
Open Circuit Voltage(Voc)	35.0V	35.2V	35.4V	35.6V	35.7V
Short Circuit Current(Isc)	16.05A	16.10A	16.15A	16.20A	16.27A
Maximum Power Voltage(Vmp)	29.1V	29.3V	29.5V	29.7V	29.8V
Maximum Power Current(Imp)	15.13A	15.20A	15.27A	15.34A	15.44A
Module Efficiency	22.0%	22.3%	22.5%	22.8%	23.0%
Power/Voc/Isc Measurement Tolerances	±3%/±5%/±5%				
Maximum System Voltage	1500V DC(IEC)				
Maximum Series Fuse Rating	30A				
Operating Temperature	-40°C to +85°C				

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

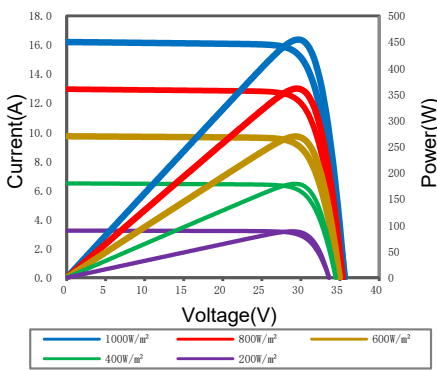
Electrical Characteristics (NMOT)

Module Type	HT48-18X(N)				
Maximum Power(Pmax)	335W	338W	342W	346W	350W
Open Circuit Voltage(Voc)	33.6V	33.8V	34.0V	34.2V	34.3V
Short Circuit Current(Isc)	12.93A	12.97A	13.02A	13.06A	13.11A
Maximum Power Voltage(Vmp)	27.9V	28.1V	28.3V	28.5V	28.6V
Maximum Power Current(Imp)	12.01A	12.03A	12.08A	12.14A	12.24A

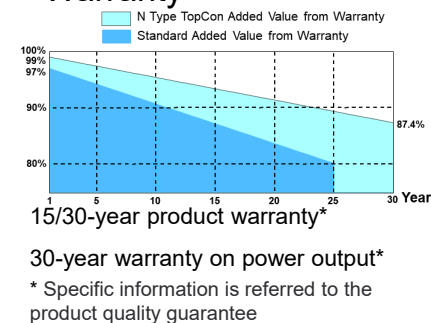
* NMOT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s



IV Curves



Warranty



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

*Copyright@2024V2 Specifications are subject to change without further notification*Only available in Australia

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
No. of Cells	96 (6×16)
Dimensions	1762×1134×30mm
Weight	21.0 (±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	4mm ² (IEC) length: (+) 200mm, (-) 300mm or customized
Fire Rating	Class C
Packaging Configuration	36 pcs/box: 936 pcs/ 40' HQ Container