MULTIWAY+

HT-SAAE.PV

Reliable State - Owned Enterprise Deliver Solar Power Since 1960s

HT66-18X(N)

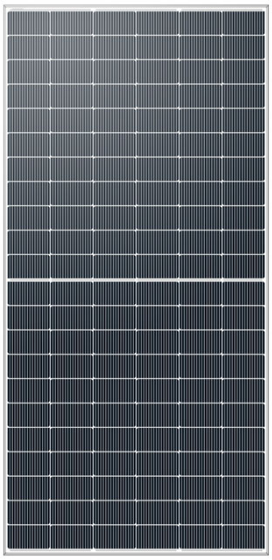
Single Glass TOPCon PV Module

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

HT66-18X(N)
610W/615W/620W/625W/630W



- Module Efficiency: 23.3%
- No. of Cells 132(6×22)
- Weight 29.0 (±0.5) kg
- Dimensions 2382×1134×35mm
- 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

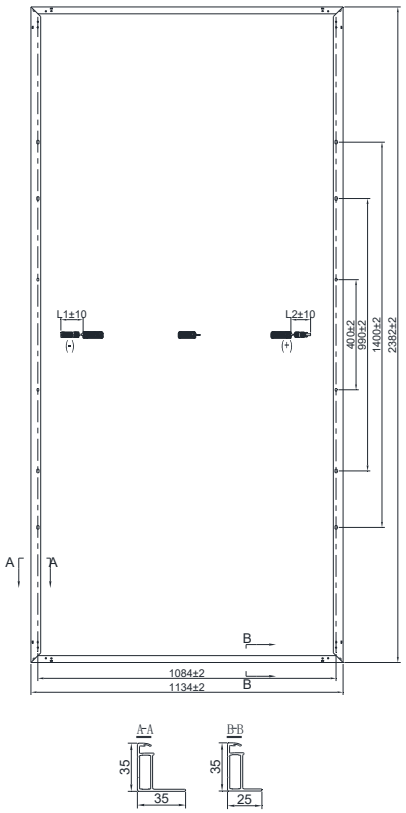
IEC 61215:2021, IEC 61730:2023 Latest Standard
SA 8000,ISO 9001,ISO 14001 and ISO 45001 meeting the highest international standards
Strict quality control

MULTIWAY+

Better Choice For Higher Efficiency!

HT66-18X(N)

HT66-18X(N)-610W/615W/620W/625W/630W



Electrical Characteristics (STC)

Module Type	HT66-18X(N)				
Maximum Power(Pmax)	610W	615W	620W	625W	630W
Open Circuit Voltage(Voc)	47.9V	48.1V	48.3V	48.5V	48.7V
Short Circuit Current(Isc)	16.05A	16.10A	16.15A	16.20A	16.25A
Maximum Power Voltage(Vmp)	39.8V	40.0V	40.2V	40.4V	40.6V
Maximum Power Current(Imp)	15.33A	15.38A	15.43A	15.48A	15.53A
Module Efficiency	22.6%	22.8%	23.0%	23.1%	23.3%
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)

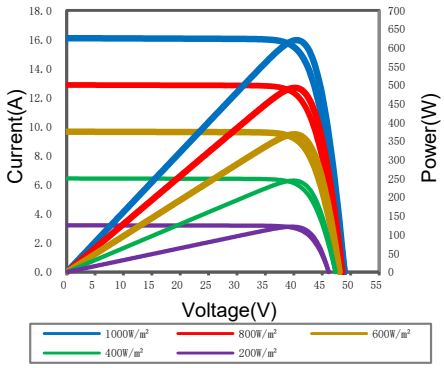
Module Type	HT66-18X(N)				
Maximum Power(Pmax)	464W	468W	471W	475W	479W
Open Circuit Voltage(Voc)	46.0V	46.2V	46.4V	46.6V	46.8V
Short Circuit Current(Isc)	12.93A	12.97A	13.02A	13.06A	13.10A
Maximum Power Voltage(Vmp)	38.2V	38.4V	38.6V	38.8V	39.0V
Maximum Power Current(Imp)	12.15A	12.19A	12.20A	12.24A	12.28A

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

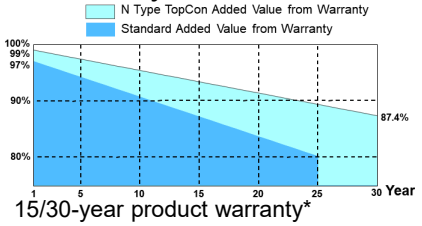
Nominal Module Operating Temperature(NMOT)		43±2℃
Temperature Coefficient of Pmax	γ (Pm)	-0.31%/℃
Temperature Coefficient of Voc	β (Voc)	-0.25%/℃
Temperature Coefficient of Isc	α (Isc)	0.046%/℃

Solar Cells	Monocrystalline
No. of Cells	132 (6×22)
Dimensions	2382×1134×35mm
Weight	29.0 (±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	4mm² (IEC) length: (+) 200mm, (-) 300mm or customized
Fire Rating	Class C
Packaging Configuration	31 pcs/box: 620 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