

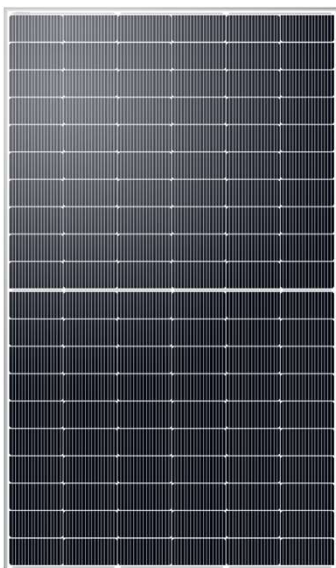
HT60-18X(N)

Single Glass TOPCon PV Module

HIGH

High power

HT60-18X(N)
465W/470W/475W
480W/485W



- Module Efficiency
Up To 22.4%
- No. of Cells:
120 (6×20)
- Weight:
23.0 (±0.5) kg
- Dimensions:
1909×1134×30mm
- Cell Dimension:
182×91mm
- For Australian market



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

Made in China



Half-cut cell technology
 reducing internal power
 loss and improving module
 overall power;
 offer excellent heat
 dissipation helping to
 avoid hot spot production.

30Yrs

Product warranty for All
 Rooftop Installations;
 12Yrs for Ground Mounted

30Yrs

Warranty on power output

EL Tested

Microcrack resistant for
 enhance reliability, double
 EL tested of high level of
 quality control.



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

TOPCon

The optimised number and
 width of main gate lines,
 maximising light receiving
 area and reducing 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
 maximising system output.

Anti-PID

PID resistant (optional)

**Low
 Degradation
 Rate****

**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



HT60-18X(N)-465W/470W/475W/480W/485W

Electrical Characteristics (STC)

Module Type	HT60-18X(N)				
Maximum Power(Pmax)	465W	470W	475W	480W	485W
Open Circuit Voltage(Voc)	42.3V	42.4V	42.5V	42.6V	42.7V
Short Circuit Current(Isc)	14.07A	14.15A	14.23A	14.31A	14.39A
Maximum Power Voltage(Vmp)	35.0V	35.2V	35.4V	35.6V	35.8V
Maximum Power Current(Imp)	13.30A	13.37A	13.43A	13.50A	13.56A
Module Efficiency	21.5%	21.7%	21.9%	22.2%	22.4%
Power Tolerance	±3%W				
Maximum System Voltage	1500V DC(IEC)				
Maximum Series Fuse Rating	25A				
Operating Temperature	-40°C to +85°C				

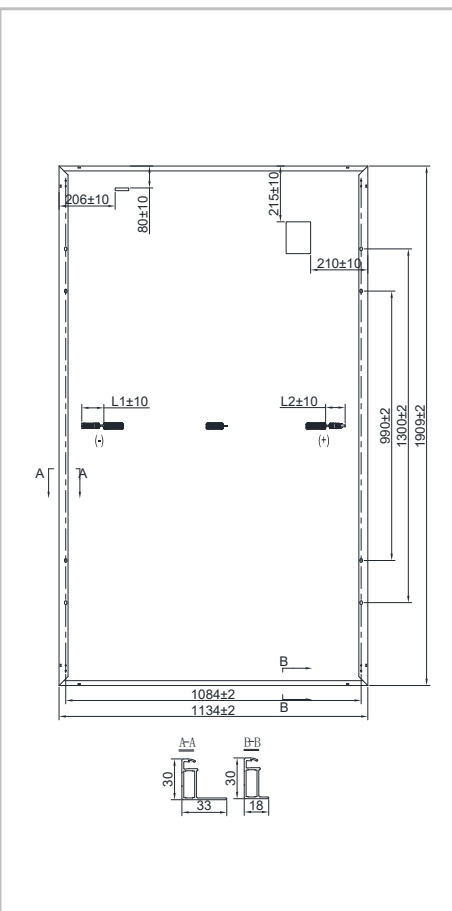
* STC: AM 1.5, Irradiance 1000W/m², module temperature 25°C

Electrical Characteristics (NMOT)

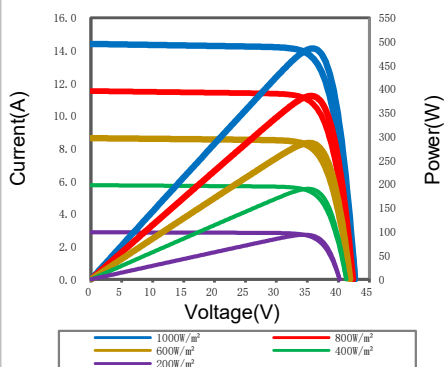
Module Type	HT60-18X(N)				
Maximum Power(Pmax)	354W	357W	361W	365W	369W
Open Circuit Voltage(Voc)	40.6V	40.7V	40.8V	40.9V	41.0V
Short Circuit Current(Isc)	11.34A	11.40A	11.47A	11.53A	11.60A
Maximum Power Voltage(Vmp)	33.6V	33.8V	34.0V	34.2V	34.4V
Maximum Power Current(Imp)	10.54A	10.56A	10.62A	10.67A	10.73A

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

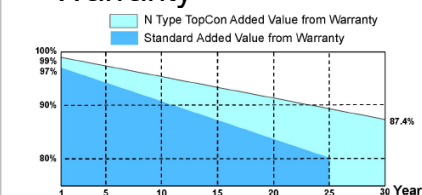
Nominal Module Operating Temperature(NMOT)	43±2°C
Temperature Coefficient of Pmax	γ (Pm) -0.31%/°C
Temperature Coefficient of Voc	β (Voc) -0.25%/°C
Temperature Coefficient of Isc	α (Isc) 0.046%/°C
Solar Cells	Monocrystalline 182× 91mm
No. of Cells	120 (6×20)
Dimensions	1909mm×1134mm×30mm
Weight	23.0 (±0.5) kg
Glass	High light transmittance coated tempered glass
Frame	Anodised aluminum alloy
Junction Box/Connectors	IP68/PV-HT005-01 (HT-SAAE products)
Cable	4mm² (IEC) length: (+) 1200mm, (-) 1200mm
Fire Rating	Class C
Packaging Configuration	36 pcs/box: 864 pcs/ 40' HQ Container



IV Curves



Warranty



12/30-year product warranty*

**Less than 0.4% annual degradation rate over 30-year power output warranty*

* 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©2023V1 Specifications are subject to change without further notification *Only available in Australia