



HIGH High Power

MULTIWAY+

HT54-18X(N)

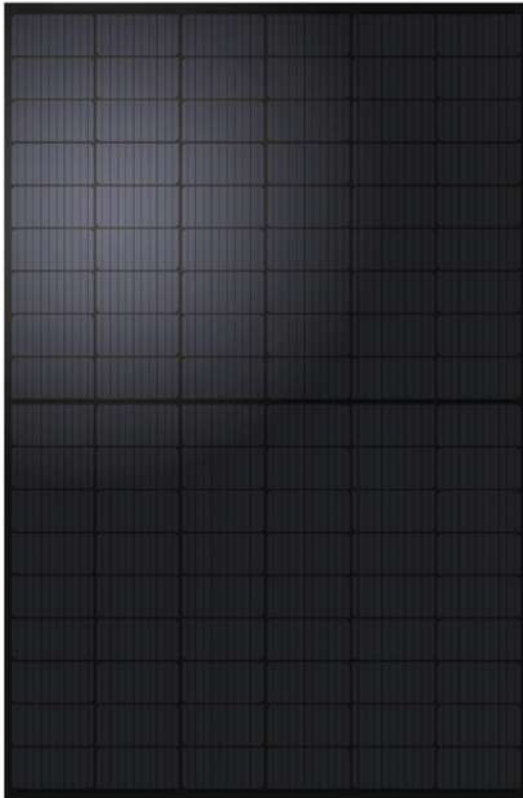
Single Glass N-Type TOPCon Module

420W/425W/430W/435W/440W



30 Yrs **PRODUCT WARRANTY**

30 Yrs **LINEAR POWER WARRANTY**



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



The optimized number and width of main gate lines, maximize the light receiving area of components and reduce component power consumption.



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



Microcrack resistant for enhanced reliability, double EL tested for high quality control.



Entire module certified to withstand extreme wind (2400 Pa) and snow loads (5400 Pa).

- The Latest N-Type Mono Cell Technology
- Module Efficiency Up To 22.5%
- No. of Cells: 108 (6×18)
- Weight: 21.0 (±0.5) kg
- Dimensions: 1722×1134×30mm
- Cell Dimensions: 182×91mm
- Designed For The Australian Market



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



3W Positive tolerance 0/+3w guaranteed

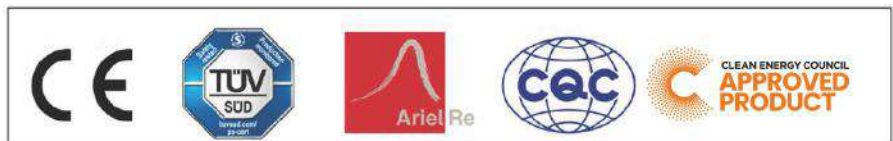


Anti **PID** PID resistant

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



MASSIVE
22.5%
EFFICIENCY



HT54-18X(N)-420W/425W/430W/435W/440W

Electrical Characteristics (STC)

Module Type	HT54-18X(N)				
Maximum Power(Pmax)	420W	425W	430W	435W	440W
Open Circuit Voltage(Voc)	38.1V	38.2V	38.3V	38.4V	38.6V
Short Circuit Current(Isc)	14.07A	14.15A	14.23A	14.31A	14.39A
Maximum Power Voltage(Vmp)	31.5V	31.7V	31.9V	32.0V	32.2V
Maximum Power Current(Imp)	13.34A	13.42A	13.50A	13.60A	13.68A
Module Efficiency	21.5%	21.8%	22.0%	22.3%	22.5%
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	HT54-18X(N)				
Maximum Power(Pmax)	319W	323W	327W	331W	335W
Open Circuit Voltage(Voc)	36.6V	36.7V	36.8V	36.9V	37.1V
Short Circuit Current(Isc)	11.34A	11.40A	11.47A	11.53A	11.60A
Maximum Power Voltage(Vmp)	30.2V	30.4V	30.6V <td 30.7V	30.9V	
Maximum Power Current(Imp)	10.56A	10.63A	10.69A	10.78A	10.84A

* 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 108 (6 × 18)

Dimensions 1722mm × 1134mm × 30mm

Weight 21.0 (±0.5) kg

Glass High light transmittance coated tempered glass

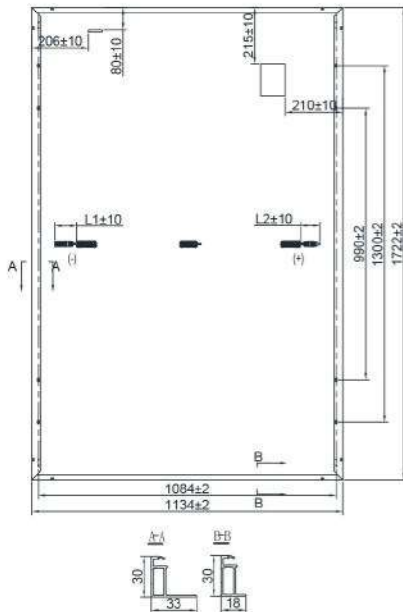
Frame Anodized aluminum alloy

Junction Box/Connectors IP68/PV-HT005-01(HT-SAAE products)

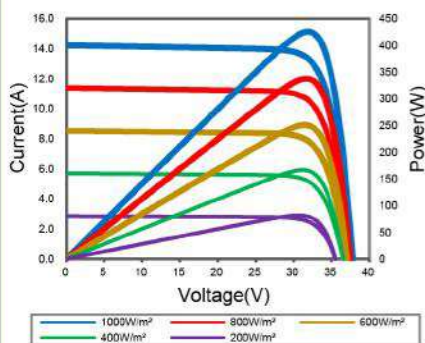
Cable 4mm² (IEC) length: (+) 1200mm, (-) 1200mm

Fire Rating Class C

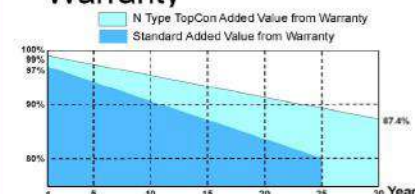
Packaging Configuration 36 pcs/box: 936 pcs/ 40' HQ Container



IV Curves



Warranty



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

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