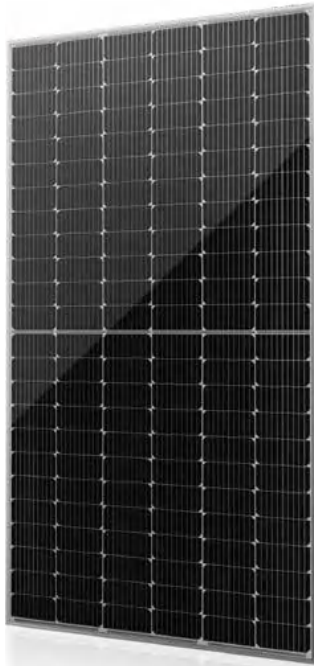


HT72-18X

NEW

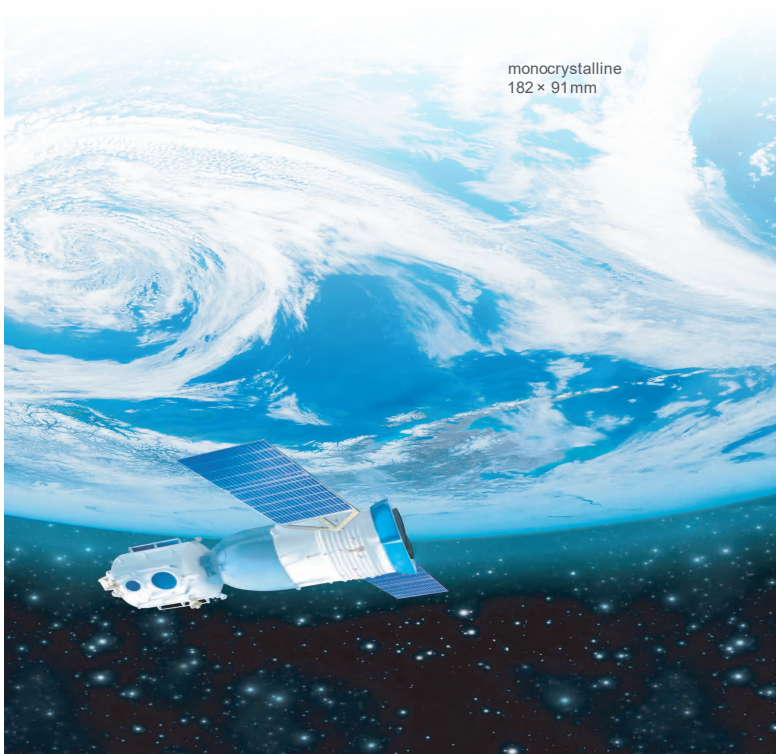
POWER OUTPUT

540W / 545W
550W / 555W / 560W



- Module Efficiency: 21.6%
- No. of Cells: 144 (6 × 24)
- Weight: 28.5kg
- Dimensions: 2285mm×1133mm×35mm

monocrystalline
182 × 91 mm



Shanghai Aerospace Automobile
Electromechanical Co., Ltd.
website: www.ht-saae.com



Factory :
Lianyungang ShenZhou New Energy Co., Ltd.
Turkey HT Solar Energy Joint Stock Company



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

12Ys
Products
Warranty



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

25Ys
Warranty on
power output



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

EL

Microcrack resistant Double glass structure enhance reliability, triple EL tested of high quality control.

5W

Positive tolerance 0/+5w guaranteed



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

PID

PID Resistant

Comprehensive and first-rate certification system

IEC61215: 2016, IEC61730: 2016 Latest Standard
ISO9001, ISO14001 and OHSAS18001,
meeting the highest international standards
Strict quality control

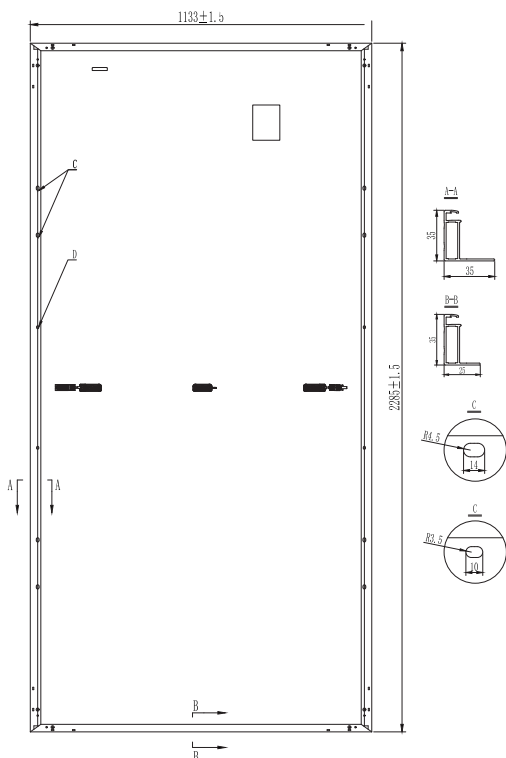


* Copyright@2020V1 Plus Specifications are subject to change without further notification

MULTIWAY

540W/545W/550W/555W/560W

Engineering Drawing



Electrical Characteristics

Module	HT72-18X				
Maximum Power at STC(Pmax)	540W	545W	550W	555W	560W
Open-Circuit Voltage(Voc)	49.4V	49.5V	49.6V	49.7V	49.8V
Short-Circuit Current(Isc)	14.36A	14.46A	14.56A	14.66A	14.76A
Optimum Operating Voltage (Vmp)	41.0V	41.1V	41.2V	41.3V	41.4V
Optimum Operating Current(Imp)	13.18A	13.27A	13.36A	13.45A	13.54A
Module Efficiency	20.9%	21.1%	21.2%	21.4%	21.6%
Power Tolerance	0 ~ +5W				
Maximum System Voltage	1500V DC(IEC)				
Maximum Series Fuse Rating	20A				
Operating Temperature	-40 °C to +85 °C				

*STC: Irradiance 1000W/m², module temperature 25, AM=1.5
Optional black frame or white frame module according to customer requirements

NMOT

Module	HT72-18X				
Maximum Power	400W	404W	407W	411W	415W
Open Circuit Voltage (Voc)	46.7V	46.8V	46.9V	47.0V	47.1V
Short Circuit Current (Isc)	11.59A	11.68A	11.76A	11.84A	11.92A
Maximum Power Voltage (Vmp)	38.7V	38.8V	38.9V	39.0V	39.1V
Maximum Circuit Current (Imp)	10.34A	10.41A	10.46A	10.54A	10.61A
NOCT	45°C±2°C				

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

Mechanical Characteristics

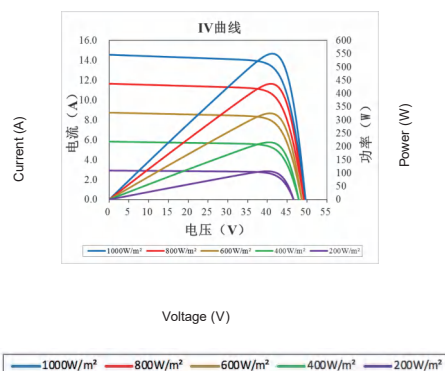
Solar Cells	monocrystalline 182 × 91mm
No. of Cells	144(6 × 24)
Dimensions	2285mm×1133mm×35mm
Weight	28.5kg
Front Glass	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68
Cable	4mm ² (IEC) Length:(+)200mm,(-)300mm
Connectors	MC4 / MC4 Compatible
Packaging Configuration	31pcs / box, 620pcs / 40'HQ Container

Temperature Characteristics

Temperature Coefficient of Pmax	γ (Pm)	-0.39%/K
Temperature Coefficient of Voc	β (Voc)	-0.29%/K
Temperature Coefficient of Isc	α (Isc)	0.049%/K

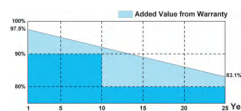
I-V Curves

Current-Voltage & Power-Voltage Curve



Warranty

- 12-year product warranty
 - 25-year warranty on power output
- Specific information is referred to the product quality guarantee



Information Box