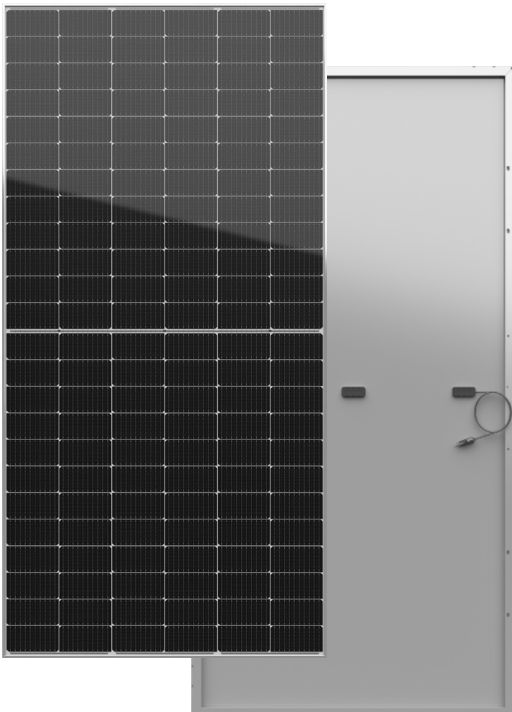


# HT72-18X

High Efficiency Low LID and PERC cell with Half-cut Technology  
Big Size: Cell 182mm × 91mm Monocrystalline

**525W / 530W / 535W**



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



10BB 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



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



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

**12Ys**  
products

**25Ys**  
warranty on power output

**PID**  
PID resistant

**5W**  
positive tolerance 0/+5W guaranteed

**EL**  
microcrack resistant high performance White backsheet structure enhance reliability, triple EL tested of high quality control.

## Comprehensive and First-rate Certification System

IEC61215: 2016.IEC61730: 2016 Latest Standard ISO14001 and ISO45001, meeting the highest international standards Strict quality control



Module Efficiency  
**21.7%**

No.of Cells  
**144 (6 × 24)**

Weight  
**27.4kg**

Dimensions  
**2279mm × 1134mm × 35mm**

Shanghai Aerospace Automobile Electromechanical Co., Ltd.

[www.htsolar.com.tr](http://www.htsolar.com.tr)

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

\* Copyright@2022 V3 Plus Specifications are subject to change without further notification



## Electrical Characteristics

Module	HT72-18X		
Maximum Power at STC (Pmax)	525W	530W	535W
Open - Circuit Voltage (Voc)	48.90V	49.10V	49.30V
Short - Circuit Current (Isc)	13.75A	13.80A	13.85A
Optimum Operating Voltage (Vmp)	40.95V	41.18V	41.41V
Optimum Operating Current (Imp)	12.82A	12.87A	12.92A
Module efficiency	20.3%	20.5%	20.7%
Power Tolerance	0 ~ + 5W		
Maximum System Voltage	1500V DC (UL / IEC)		
Maximum Series Fuse Rating	25A		
Operating Temperature	-40 C to +85 C		

\* STC: Irradiance 1000W/m<sup>2</sup>, module temperature 25, AM=1.5  
Optional black frame or white frame module according to customer requirements

## NMOT

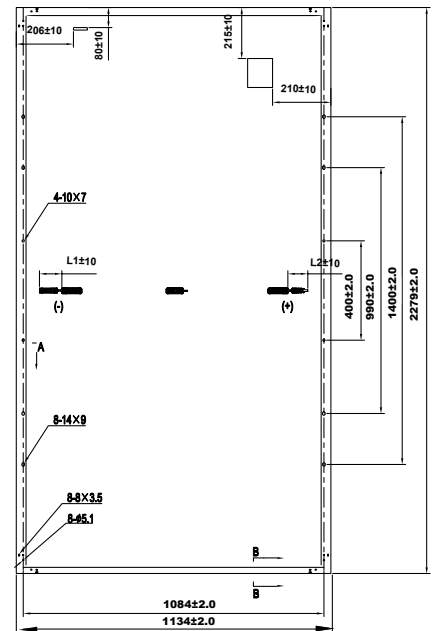
Module	HT72-18X		
Maximum Power	390W	394W	398W
Open - Circuit Voltage (Voc)	46.46V	46.62V	46.78V
Short - Circuit Current (Isc)	11.06A	11.12A	11.18A
Maximum Power Voltage (Vmp)	39.00V	39.16V	39.33V
Maximum Circuit Current (Imp)	10.00A	10.06A	10.12A
NMOT	45±2 C		

\* NMOT: Irradiance 800W/m<sup>2</sup>, ambient temperature 20°C, wind speed 1m/s

## Mechanical Characteristics

Solar Cells	Monocrystalline 182 × 91mm
No. of Cells	144 (6 × 24)
Dimensions	2279mm × 1134mm × 35mm
Weight	27.4kg
Front Glass	High transmission tempered glass; thickness; 3.2mm
Frame	Anodized aluminium alloy
Junction Box	IP68
Cable	4mm <sup>2</sup> (UL / IEC) length; (+) 400mm (-) 200mm / length can be customized
Connectors	MC <sub>4</sub> / MC <sub>4</sub> compatible
Packaging Configuration	31pcs / box, 620pcs / 40'HQ container

## Engineering Drawing



## Temperature Characteristics

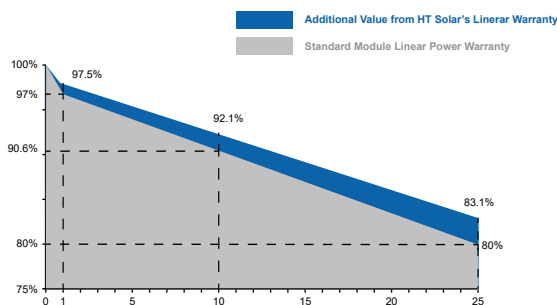
Temperature Coefficient of Pmax	-0.326%/°C
Temperature Coefficient of Voc	-0.258%/°C
Temperature Coefficient of Isc	+0.051%/°C

## Warranty

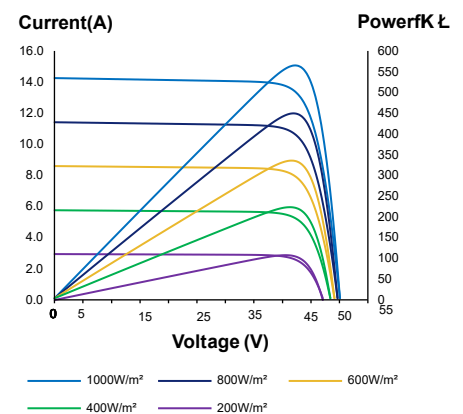
**12 - years**  
product warranty

**25 - years**  
warranty on power output

Specific information is referred to  
the product quality guarantee



## IV Curves



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

