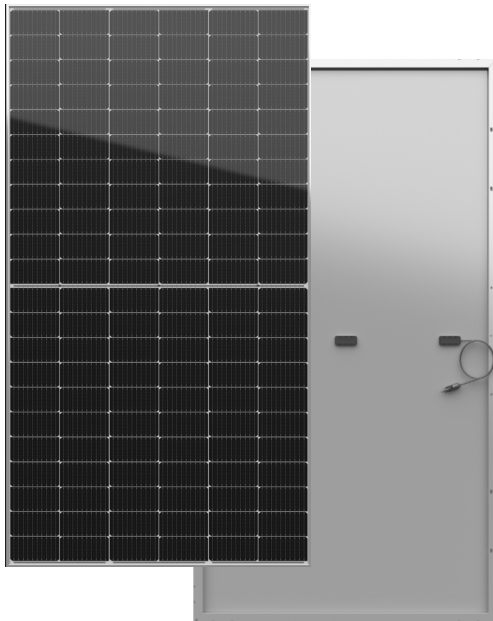


# HT66-18X

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

**490W / 495W**

**500W / 505W / 510W**



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  
**21.5%**
- No.of Cells  
**132(6 × 22)**
- Weight  
**25.0kg**
- Dimensions  
**2094mm × 1134mm × 30mm**

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.

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## Electrical Characteristics

Module	HTG6-18X				
Maximum Power at STC (Pmax)	490W	495W	500W	505W	510W
Open - Circuit Voltage (Voc)	45.25V	45.40V	45.55V	45.70V	45.85V
Short - Circuit Current (Isc)	13.79A	13.86A	13.93A	13.99A	14.06A
Optimum Operating Voltage (Vmp)	38.07V	38.22V	38.37V	38.52V	38.67V
Optimum Operating Current (Imp)	12.88A	12.96A	13.04A	13.12A	13.20A
Module efficiency	20.7%	20.9%	21.1%	21.3%	21.5%
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

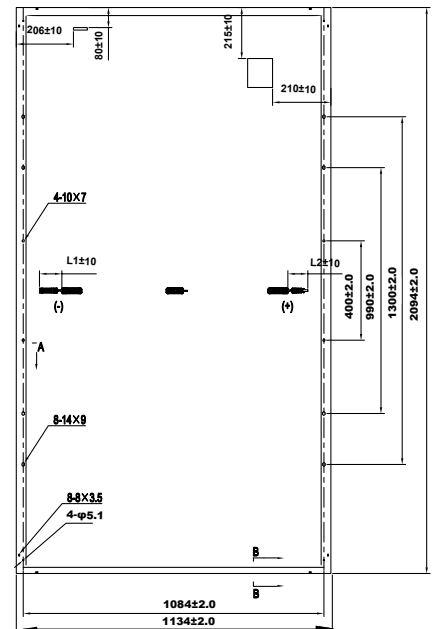
Module	HTG6-18X				
Maximum Power	364W	368W	372W	376W	379W
Open - Circuit Voltage (Voc)	42.85V	43.00V	43.20V	43.30V	43.46V
Short - Circuit Current (Isc)	11.13A	11.19A	11.24A	11.29A	11.35A
Maximum Power Voltage (Vmp)	36.05V	36.20V	34.40V	34.50V	34.65V
Maximum Circuit Current (Imp)	10.09A	10.17A	10.22A	10.30A	10.34A
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	132 (6 × 22)
Dimensions	2094mm × 1134mm × 30mm
Weight	25.0kg
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	36pcs / box, 792pcs / 40'HQ container

## Engineering Drawing



## Temperature Characteristics

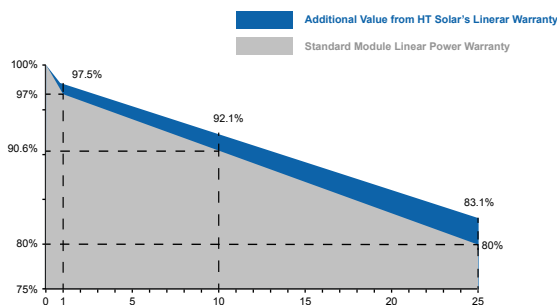
Temperature Coefficient of Pmax	-0.326%/°C
Temperature Coefficient of Voc	-0.258%/°C
Temperature Coefficient of Isc	+0.051%/°C

## Warranty

**12 - years**  
product warranty

**25- years**  
warranty on power output

Specific information is referred to the product quality guarantee



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

## IV Curves

