MULTIWAY+

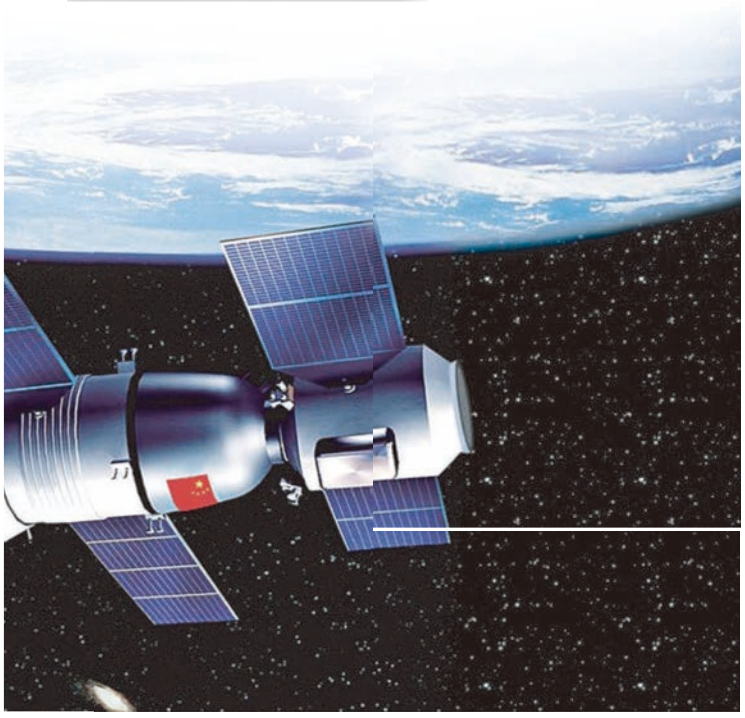
HT66-18X

High Efficiency Low LID with Half-cut Technology

NEW | Big Size: Cell 182*91 Monocrystalline

480W / 485W
490W / 495W / 500W

- **Module Efficiency:** 21.1%
- **No.of Cells:** 132(6 × 22)
- **Weight:** 25.0kg
- **Dimensions:** 2094mm×1133mm×35mm



Shanghai Aerospace Automobile Electromechanical Co., Ltd. website: www.htsolar.com.tr

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

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

12 Ys
Products Warranty

25 Ys
Warranty on power output

EL
Microcrack resistant high performance backsheet structure enhance reliability, triple EL tested of high quality control.

Designed for high voltage systems of up to 1500 VDC, increas-ing the string length of solar systems and saving on BOS costs

2%
All the modules are sorted and packaged by amperage, reducing mismatch losses and maximizing system output.

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

5W
Positive tolerance 0/+5W guaranteed

PID
PID Resistant

Comprehensive and first-rate certification system

IEC61215: 2016.IEC61730: 2016 Latest Standard

and UL 61730 Latest Standard, IS09001, IS014001 and ISO45001, meeting the highest international standards Strict quality control

C US

TÜVRheinland CERTIFIED
IEC 61215
IEC 61730
Regular Production Surveillance
www.tuv.com
ID 1419053360

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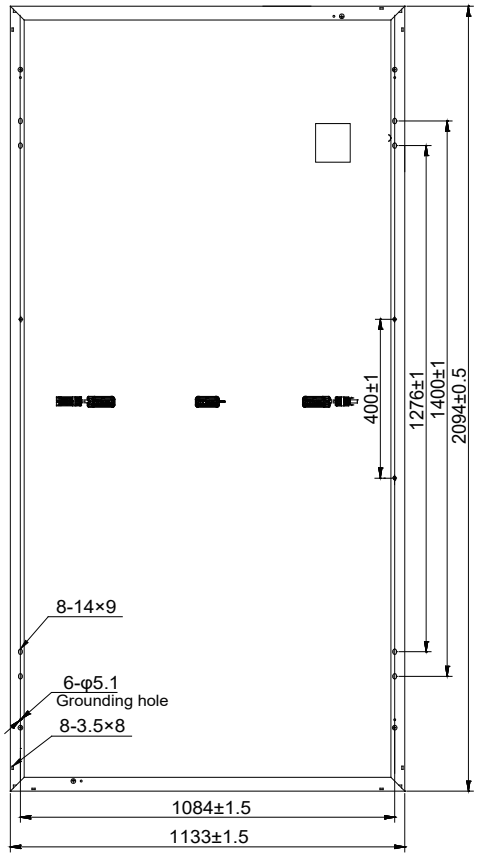
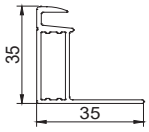
Better Choice For Higher Efficiency!

1500V module HT66-18X

480W/485W/490W/495W/500W

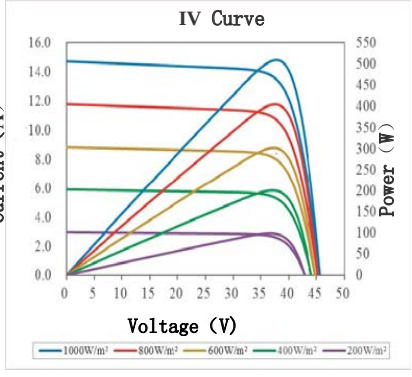
Engineering Drawing





I-V Curves

Current-Voltage & Power-Voltage Curve



Electrical Characteristics

Module	HT66-18X				
Maximum Power at STC(Pmax)	480W	485W	490W	495W	500W
Open-Circuit Voltage(Voc)	44.95V	45.10V	45.25V	45.40V	45.55V
Short-Circuit Current(Isc)	13.65A	13.73A	13.79A	13.86A	13.93A
Optimum Operating Voltage (Vmp)	37.77V	37.92V	38.07V	38.22V	38.37V
Optimum Operating Current(Imp)	12.72A	12.80A	12.88A	12.96A	13.04A
Module Efficiency	20.2%	20.4%	20.7%	20.9%	21.1%
Power Tolerance	0 ~ +5W				
Maximum System Voltage	1500V DC(UL/IEC)				
Maximum Series Fuse Rating	25A				
Operating Temperature	-40 ℃to + 85 ℃				

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

NMOT

Module	HT66-18X				
Maximum Power	360W	364W	368W	372W	376W
Open Circuit Voltage . Voc.	41.41V	41.56V	41.71V	41.86V	42.01V
Short Circuit Current (Isc)	11.21A	11.30A	11.39A	11.50A	11.59A
Maximum Power Voltage (Vmp)	34.35V	34.50V	34.65V	34.8V	34.95V
Maximum Circuit Current (Imp)	10.48A	10.55A	10.62A	10.69A	10.76A
NMOT	45℃±2℃				

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

Mechanical Characteristics

Solar Cells	Monocrystalline 182 × 91 mm
No.of Cells	132 (6 × 22)
Dimensions	2094mm×1133mm×35mm
Weight	25.0kg
Front Glass	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68
Cable	4mm²(UL/IEC) Length: (+) 400mm (-) 200mm/length can be customized
Connectors	MC4 / MC4 Compatible
Packaging Configuration	31pcs / box, 682pcs / 40'HQ Container

Temperature Characteristics

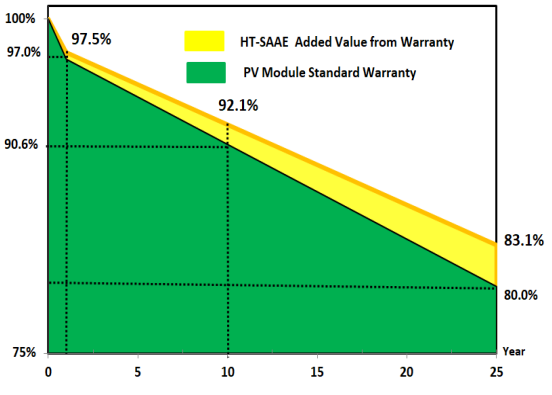
Temperature Coefficient of Pmax	γ (Pm)	-0.39%/℃
Temperature Coefficient of Voc	β (Voc)	-0.29%/℃
Temperature Coefficient of Isc	α (Isc)	0.049%/℃

Warranty

12-year product warranty

25-year warranty on power output

Specific information is referred to the product quality guarantee



Information Box

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

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