MULTIWAY+

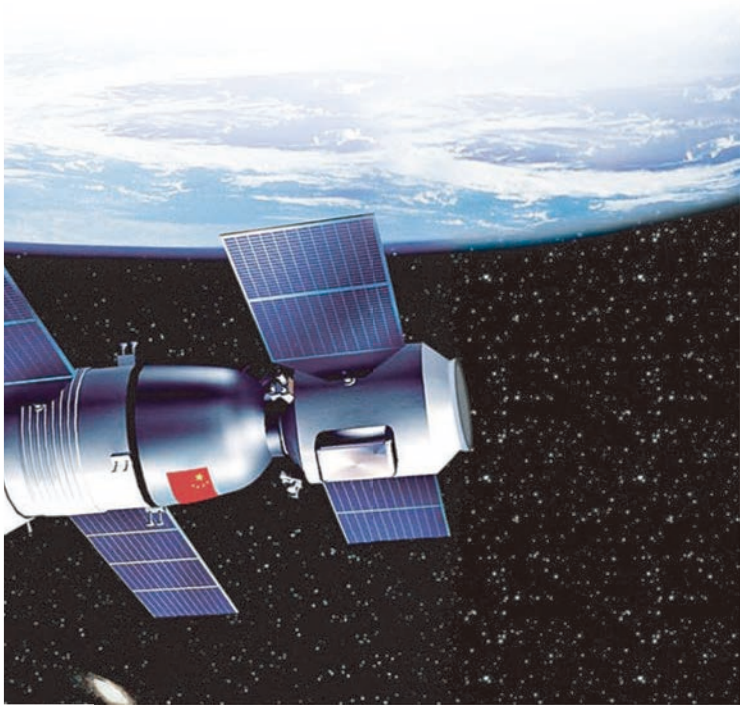
HT60-18X

High Efficiency Low LID with Half-cut Technology

NEW | Big Size: Cell 182*91 Monocrystalline

440W / 445W
450W / 455W / 460W

- **Module Efficiency:** 21.3%
- **No.of Cells:** 120 (6 × 20)
- **Weight:** 22.7kg
- **Dimensions:** 1908mm×1133mm×35mm



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

Factory :
Turkey HT Solar Energy Joint Stock Company
Lianyungang ShenZhou 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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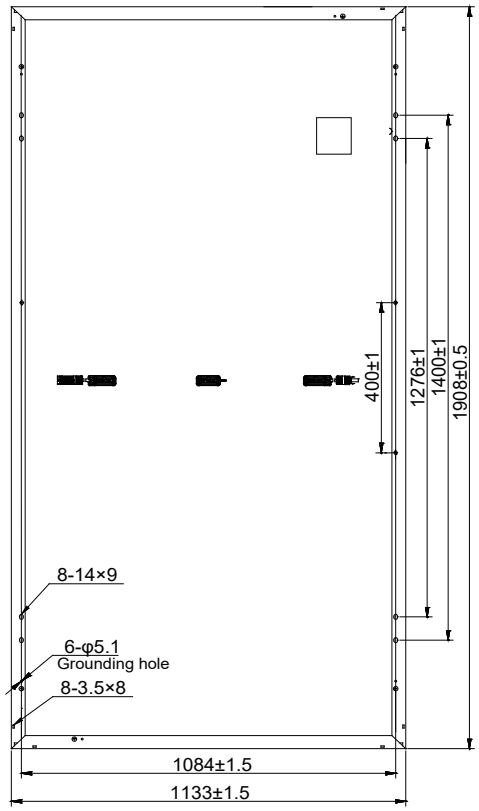
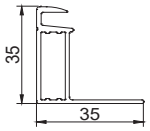
Better Choice For Higher Efficiency!

1500V module HT60-18X

440W/445W/450W/455W/460W

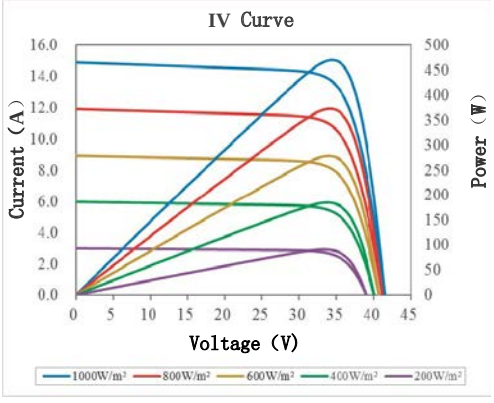
Engineering Drawing





I-V Curves

Current-Voltage & Power-Voltage Curve



Electrical Characteristics

Module	HT60-18X				
Maximum Power at STC(Pmax)	440W	445W	450W	455W	460W
Open-Circuit Voltage(Voc)	41.03V	41.18V	41.33V	41.48V	41.63V
Short-Circuit Current(Isc)	13.76A	13.83A	13.90A	13.97A	14.04A
Optimum Operating Voltage (Vmp)	34.48V	34.63V	34.78V	34.93V	35.08V
Optimum Operating Current(Imp)	12.77A	12.86A	12.95A	13.04A	13.13A
Module Efficiency	20.4%	20.6%	20.8%	21.1%	21.3%
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	HT60-18X				
Maximum Power	330W	334W	338W	342W	346W
Open Circuit Voltage （Voc）	37.60V	37.75V	37.90V	38.05V	38.20V
Short Circuit Current (Isc)	11.12A	11.20A	11.29A	11.37A	11.46A
Maximum Power Voltage (Vmp)	31.32V	31.47V	31.62V	31.77V	31.92V
Maximum Circuit Current (Imp)	10.54A	10.62A	10.69A	10.77A	10.84A
NMOT	45℃±2℃				

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

Mechanical Characteristics

Solar Cells	Monocrystalline 182 × 91 mm
No.of Cells	120 (6 × 20)
Dimensions	1908mm×1133mm×35mm
Weight	22.7kg
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, 744pcs / 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%/℃

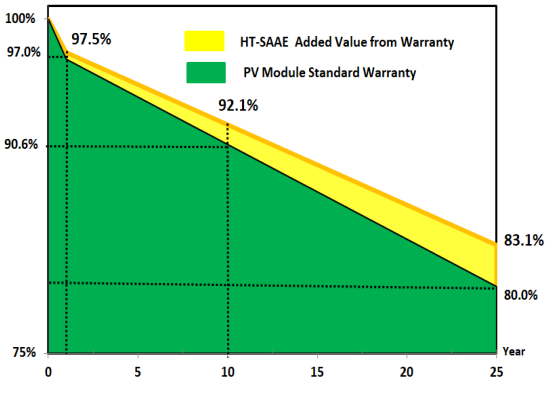
Warranty

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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