

HT60-166M Transparent

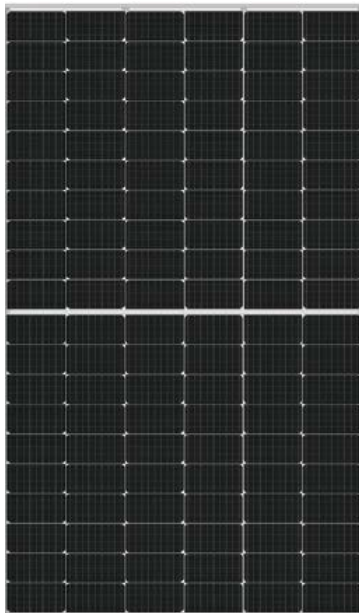
High Efficiency Low LID Bifacial PERC with Half-cut Technology

NEW

Big Size: Cell 166*83 Monocrystalline

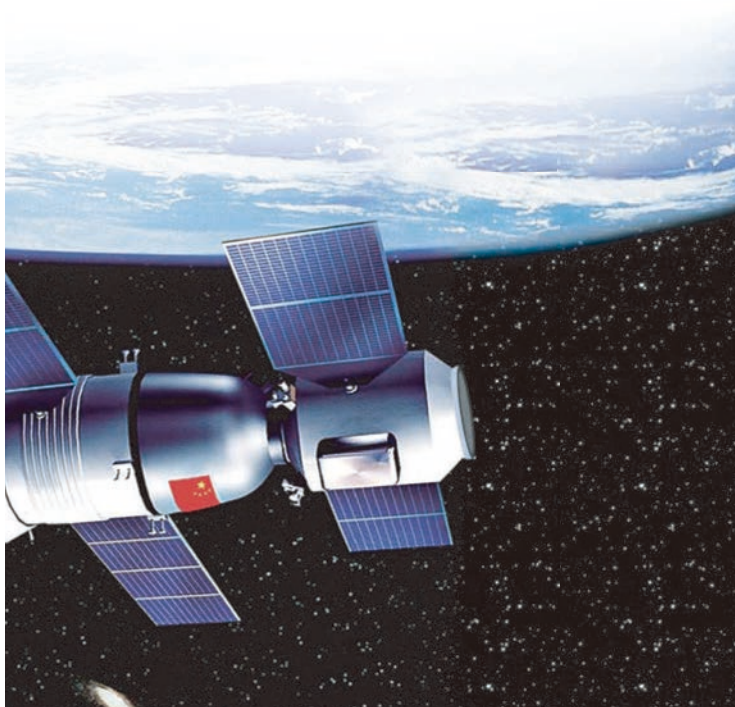
360W / 365W

370W / 375W / 380W



- Module Efficiency: 20.9%
- No. of Cells: 120 (6 × 20)
- Weight: 19.5kg
- Dimensions: 1755mm×1038mm×35mm

MULTIWAY+



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. Low LID Bifacial PERC with Half-cut Technology



9BB 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

30 Ys

Warranty on power output



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



EL

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

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

5W

Positive tolerance 0/+5W guaranteed



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

PID

PID Resistant

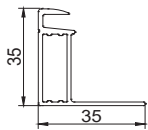
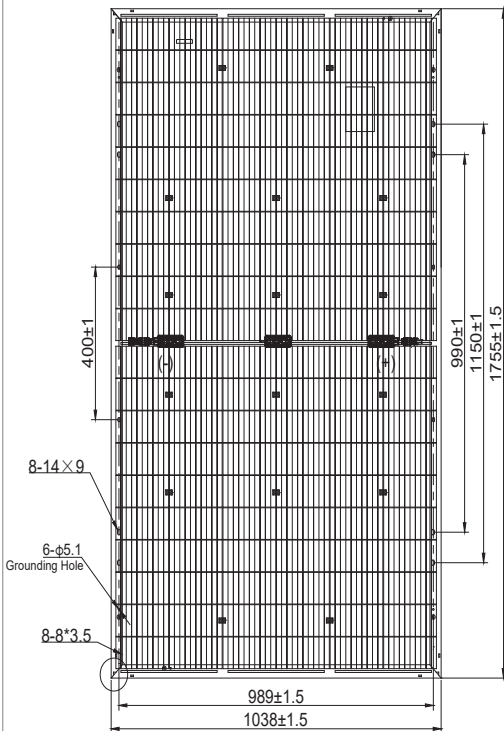
Comprehensive and first-rate certification system

IEC61215: 2016. IEC61730: 2016 Latest Standard and UL 61730 Latest Standard, ISO9001, ISO14001 and ISO45001, meeting the highest international standards Strict quality control



360W/365W/370W/375W/380W

Engineering Drawing



Electrical Characteristics

Module	HT60-166M				
Maximum Power at STC(Pmax)	360W	365W	370W	375W	380W
Open-Circuit Voltage(Voc)	41.1V	41.3V	41.5V	41.6V	41.7V
Short-Circuit Current(Isc)	11.53A	11.63A	11.72A	11.85A	11.98A
Optimum Operating Voltage (Vmp)	33.7V	33.9V	34.1V	34.2V	34.6V
Optimum Operating Current(Imp)	10.69A	10.77A	10.86A	10.98A	10.99A
Module Efficiency	19.8%	20.0%	20.3%	20.6%	20.9%
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	HT60-166M				
Maximum Power	267W	271W	275W	279W	283W
Open Circuit Voltage (Voc)	38.8V	39.0V	39.2V	39.4V	39.6V
Short Circuit Current (Isc)	9.30A	9.39A	9.48A	9.58A	9.65A
Maximum Power Voltage (Vmp)	31.8V	32.0V	32.2V	32.4V	32.6V
Maximum Circuit Current (Imp)	8.40A	8.47A	8.54A	8.61A	8.68A
NMOT	45°C±2°C				

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

BIFACIAL REAR SIDE POWER GAIN

Electrical characteristics with different rear side power gain for reference(reference to 380W front)

Module		HT60-166M Bifaciality: 70±5%			
Maximum Power	Pmax Gain	Voc/V	Isc/A	Vmp/V	Imp/A
399W	5%	41.70	12.58	34.6	11.53
418W	10%	41.70	13.17	34.6	12.15
437W	15%	41.70	13.77	34.6	12.70
456W	20%	41.70	14.37	34.6	13.26
475W	25%	41.70	14.98	34.6	13.80

*bifacial gain:the additional gain from the rear side compared to the power of the front side at the standard test condition. It depends on mounting(structure,height,tilt angle etc.)and abledo of the ground.

Mechanical Characteristics

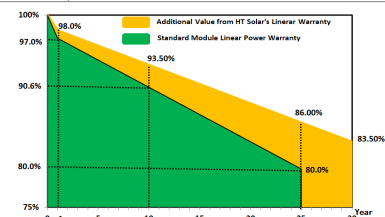
Solar Cells	Monocrystalline 166 × 83 mm
No.of Cells	120 (6 × 20)
Dimensions	1755mm×1038mm×35mm
Weight	19.5 kg
Front Glass	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68
Cable	4mm ² (UL/IEC) Length: (+) 400mm (-) 200mm/length can be customized
Connectors	MC+ / MC+ Compatible
Packaging Configuration	31pcs / box, 858pcs / 40'HQ Container

Temperature Characteristics

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

Warranty

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



I-V Curves

Current-Voltage & Power-Voltage Curve

