

HT60-166M

NEW

Big Size: Cell 166*83

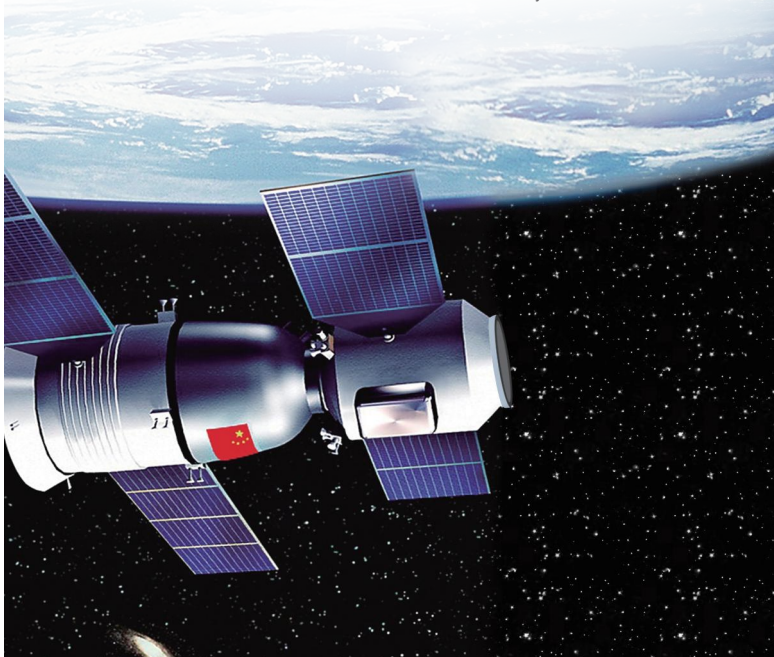
360W / 365W
370W / 375W / 380W



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

● (Optional)
Design of Water
Leakage Trough

Monocrystalline



Shanghai Aerospace Automobile
Electromechanical Co., Ltd.
website: www.ht-saae.com



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



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



9BB The optimized number and width of main gate lines, Maximize the light receiving area of components and Reduce component power consumption

12Ys

**Products
Warranty**



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

25Ys

**Warranty on
power output**



**EL
Microcrack resistant 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**

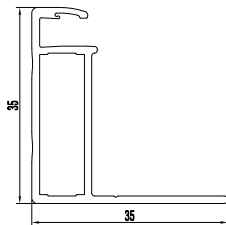
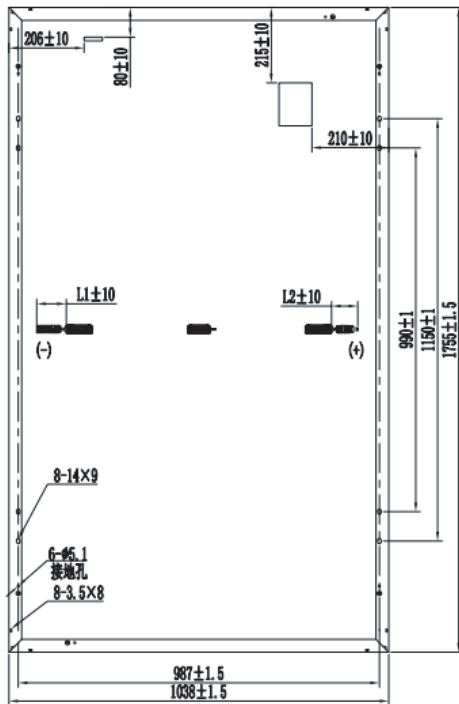
Comprehensive and first-rate certification system

IEC61215: 2016. IEC61730: 2016 Latest Standard
ISO9001, ISO14001 and OHSAS18001,
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	34.3V
Optimum Operating Current(Imp)	10.69A	10.77A	10.86A	10.98A	11.09A
Module Efficiency	19.8%	20.0%	20.3%	20.6%	20.9%
Power Tolerance	0 ~ +5W				
Maximum System Voltage	1000V / 1500V DC(IEC)				
Maximum Series Fuse Rating	15A				
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	270W	274W	278W	281W
Open Circuit Voltage (Voc)	38.8V	39.0V	39.2V	39.3V	39.4V
Short Circuit Current (Isc)	9.31A	9.39A	9.46A	9.57A	9.67A
Maximum Power Voltage (Vmp)	31.8V	32.0V	32.2V	32.3V	32.4V
Maximum Circuit Current (Imp)	8.40A	8.44A	8.51A	8.61A	8.67A
NOCT	45°C ±2°C				

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

Mechanical Characteristics

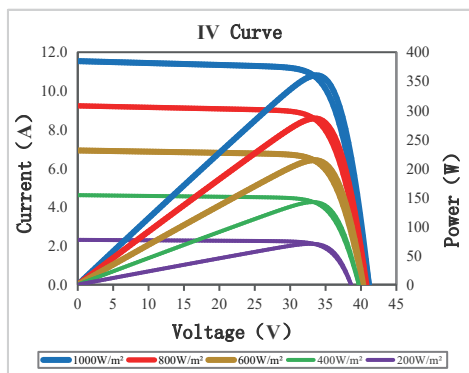
Solar Cells	Monocrystalline 166 × 83 mm
No. of Cells	120 (6 × 20)
Dimensions	1755mm×1038mm×35mm
Weight	19.5 kg
Front Glass	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68
Cable	4mm ² (IEC) Length: (+)200mm,(-)300mm
Connectors	MC Compatible
Packaging Configuration	30pcs / box, 780pcs / 40'HQ Container

Temperature Characteristics

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

I-V Curves

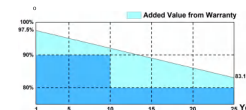
Current-Voltage & Power-Voltage Curve



Warranty

12-year product warranty
25-year warranty on power output

Specific information is referred to the product quality guarantee



Information Box