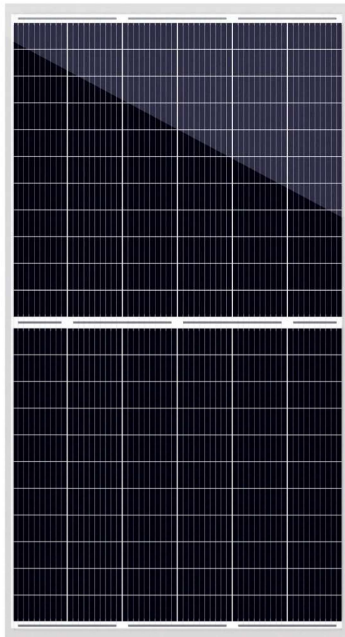


# HT66-166M

NEW

Big Size: Cell 166\*83

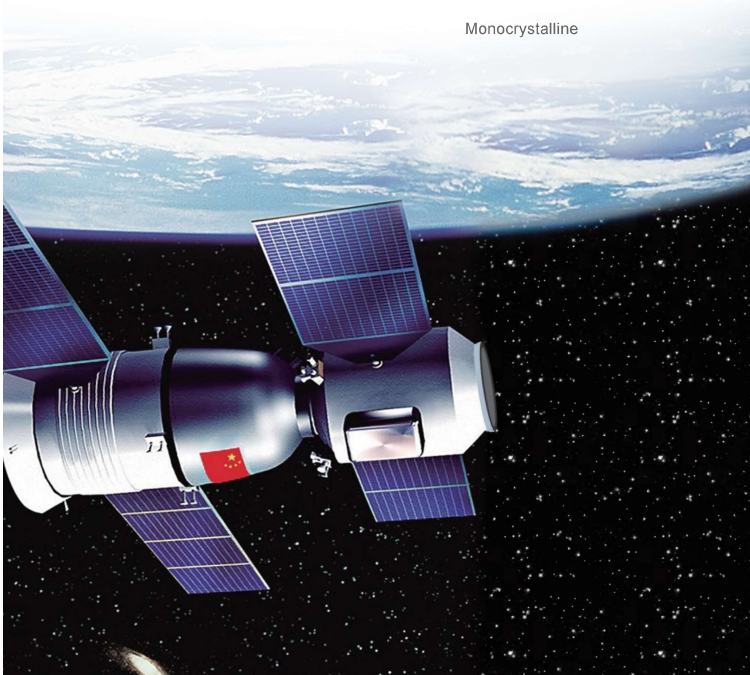
**400W / 405W**  
**410W / 415W**



- Module Efficiency: 20.8%
- No. of Cells: 132 (6 × 22)
- Weight: 22.0kg
- Dimensions: 1924mm×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**

**15Ys**  
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**

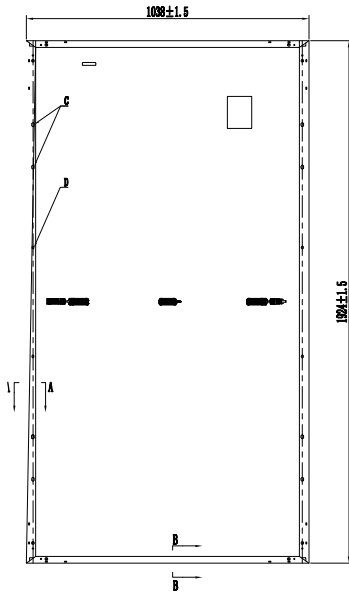
IEC61215: 2016, IEC61730: 2016 Latest Standard  
ISO9001, ISO14001 and OHSAS18001,  
meeting the highest international standards  
Strict quality control



\* Copyright@2020V1 Plus Specifications are subject to change without further notification

MULTIWAY+

### Engineering Drawing



### Electrical Characteristics

Module	HT66-166M			
Maximum Power at STC(Pmax)	400W	405W	410W	415W
Open-Circuit Voltage(Voc)	45.5V	45.6V	45.7V	45.8V
Short-Circuit Current(Isc)	11.54A	11.67A	11.80A	11.93A
Optimum Operating Voltage (Vmp)	37.9V	38.0V	38.1V	38.2V
Optimum Operating Current(Imp)	10.56A	10.66A	10.77A	10.88A
Module Efficiency	20.0%	20.3%	20.5%	20.8%
Power Tolerance	0 ~ +5W			
Maximum System Voltage	1000V / 1500V DC(IEC)			
Maximum Series Fuse Rating	20A			
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	HT66-166M			
Maximum Power	296W	300W	304W	307W
Open Circuit Voltage (Voc)	43.0V	43.1V	43.2V	43.3V
Short Circuit Current (Isc)	9.32A	9.42A	9.53A	9.63A
Maximum Power Voltage (Vmp)	35.8V	35.9V	36.0V	36.1V
Maximum Circuit Current (Imp)	8.27A	8.36A	8.44A	8.50A
NOCT	45°C ±2°C			

\*NMOT: Irradiance 800W/m<sup>2</sup>, ambient temperature 20°C, wind speed 1 m/s

### Mechanical Characteristics

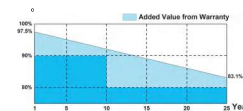
Solar Cells	Monocrystalline 166 × 83 mm
No. of Cells	132 (6 × 22)
Dimensions	1924mm × 1038mm × 35mm
Weight	22.0 kg
Front Glass	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68
Cable	4mm <sup>2</sup> (IEC) Length: (+)200mm, (-)300mm
Connectors	MC Compatible
Packaging Configuration	31pcs / box, 744pcs / 40'HQ Container

### Temperature Characteristics

Temperature Coefficient of Pmax	$\gamma$ (Pm)	-0.39%/K
Temperature Coefficient of Voc	$\beta$ (Voc)	-0.29%/K
Temperature Coefficient of Isc	$\alpha$ (Isc)	0.049%/K

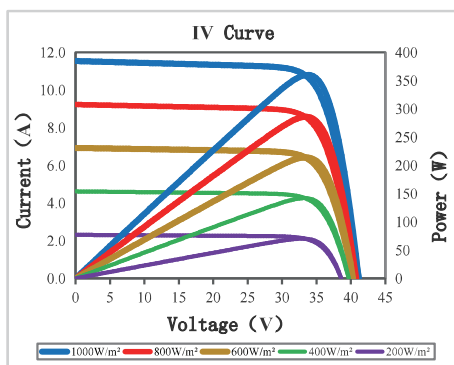
### Warranty

15-year product warranty  
25-year warranty on power output  
Specific information is referred to the product quality guarantee



### I-V Curves

Current-Voltage & Power-Voltage Curve



### Information Box