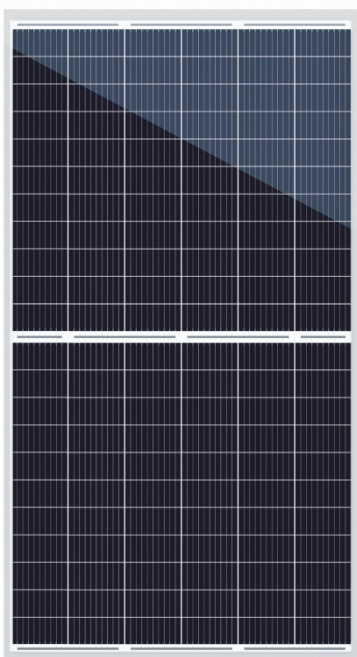


HT66-166M

Big Size: Cell 166*83

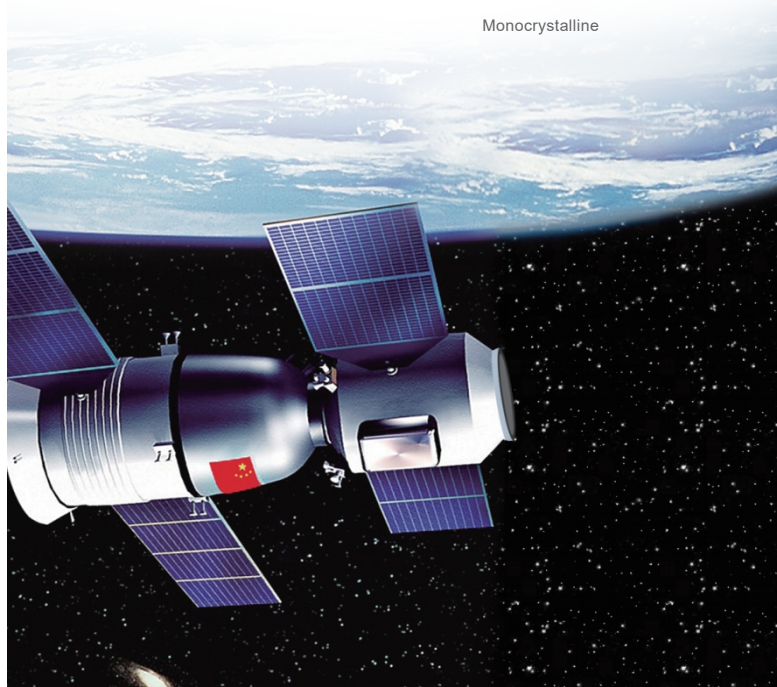
400W / 405W
410W / 415W



- Module Efficiency: 20.8%
- No. of Cells: 132 (6 × 22)
- Weight: 21.5kg
- Dimensions: 1924mm×1038mm×30mm

● (Optional)
Design of Water
Leakage Trough

Monocrystalline



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

Factory :
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.



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

25Ys

Warranty on power output

EL

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



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



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

5W

Positive tolerance 0/+5w guaranteed

PID

PID Resistant



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

Comprehensive and first-rate certification system

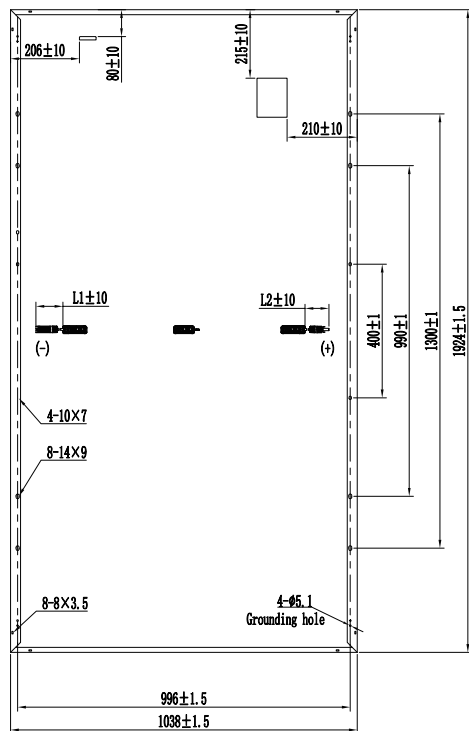
IEC61215: 2016, IEC61730: 2016 Latest Standard
ISO9001, ISO14001 and ISO45001,
meeting the highest international standards
Strict quality control



CEC Listed



Engineering Drawing



Electrical Characteristics

Module	HT66-166M				
Maximum Power at STC(P _{max})	400W	405W	410W	415W	
Open-Circuit Voltage(V _{oc})	45.5V	45.6V	45.7V	45.8V	
Short-Circuit Current(I _{sc})	11.54A	11.67A	11.80A	11.93A	
Optimum Operating Voltage (V _{mp})	37.9V	38.0V	38.1V	38.2V	
Optimum Operating Current(I _{mp})	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/m², 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 (V _{oc})	43.0V	43.1V	43.2V	43.3V	
Short Circuit Current (I _{sc})	9.32A	9.42A	9.53A	9.63A	
Maximum Power Voltage (V _{mp})	35.8V	35.9V	36.0V	36.1V	
Maximum Circuit Current (I _{mp})	8.27A	8.36A	8.44A	8.50A	
NMOT	45°C ±2°C				

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

Mechanical Characteristics

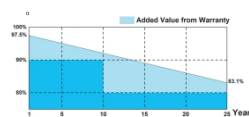
Solar Cells	Monocrystalline 166 × 83 mm
No. of Cells	132 (6 × 22)
Dimensions	1924mm×1038mm×30mm
Weight	21.5 kg
Front Glass	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68
Cable	4mm ² (IEC) Length: (+)200mm, (-)300mm
Connectors	MC Compatible
Packaging Configuration	36pcs / box, 864pcs / 40'HQ Container

Temperature Characteristics

Temperature Coefficient of P _{max}	γ (P _m)	-0.39%/K
Temperature Coefficient of V _{oc}	β (V _{oc})	-0.29%/K
Temperature Coefficient of I _{sc}	α (I _{sc})	0.049%/K

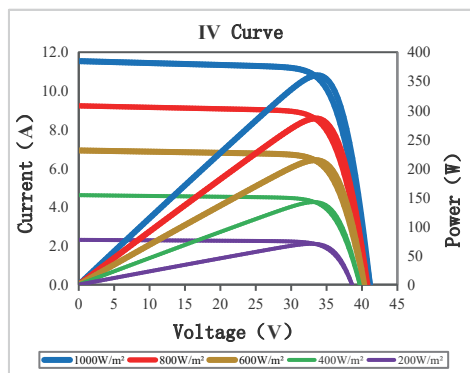
Warranty

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

DS166-003-A1