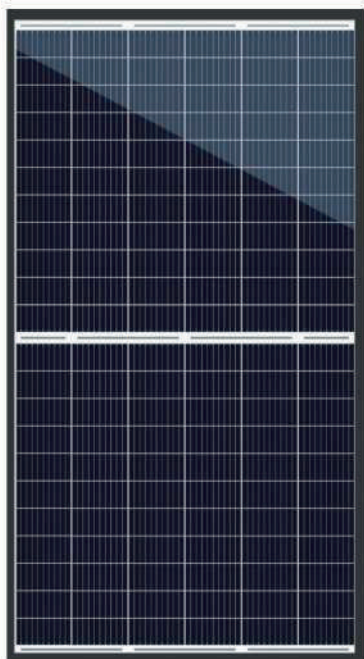


HT66-166M

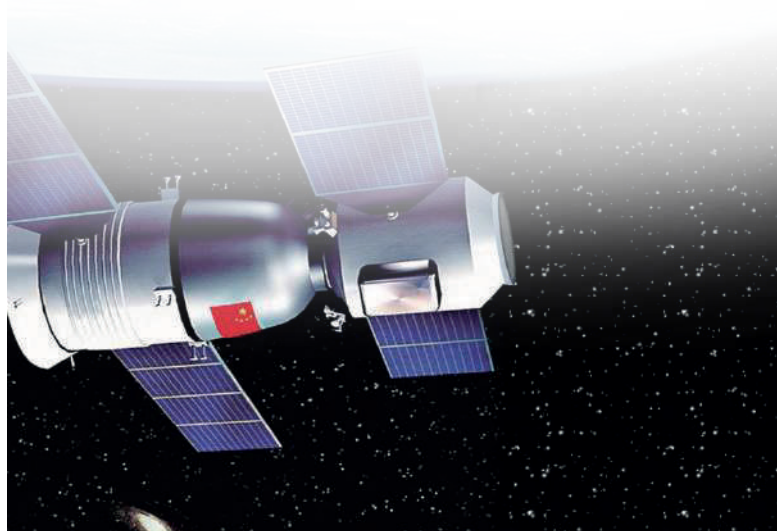
Big Size: Cell 166*83

400W / 405W
410W / 415W



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

MULTIWAY+



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

25Ys
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



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

EL

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



**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**

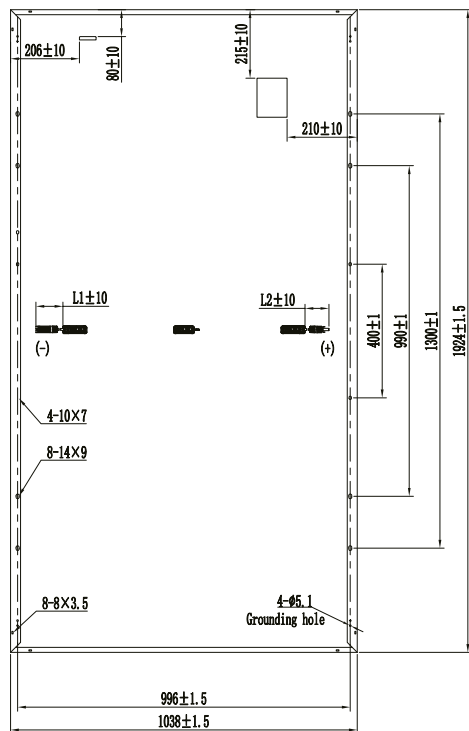
IEC61215: 2016, IEC61730: 2016 Latest Standard
ISO9001, ISO14001 and ISO45001,
meeting the highest international standards
Strict quality control



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

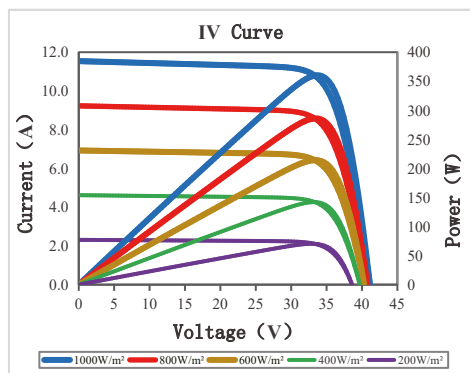
Solar Cells	Monocrystalline 166 × 83 mm
No. of Cells	132 (6 × 22)
Dimensions	1924mm×1038mm×30mm
Weight	21.5 kg
Front Glass	High transmission tempered glass
Frame	Anodized aluminium alloy, silver / black frame
Junction Box	IP68
Cable	4mm ² (IEC) Length: (+)200mm, (-)300mm
Connectors	MC Compatible
Packaging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

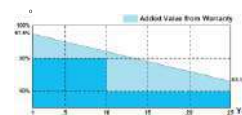
I-V Curves

Current-Voltage & Power-Voltage Curve



Warranty

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



Information Box

DS166-003-A1