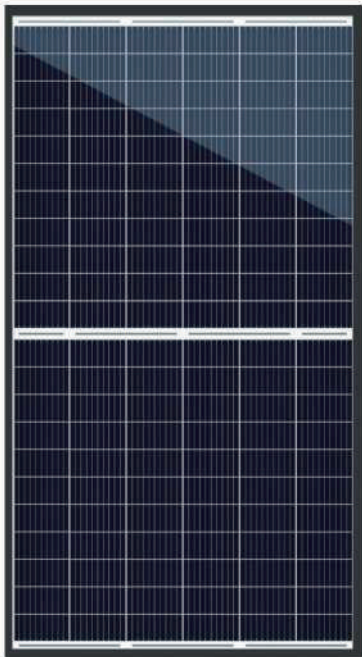


HT66-166M

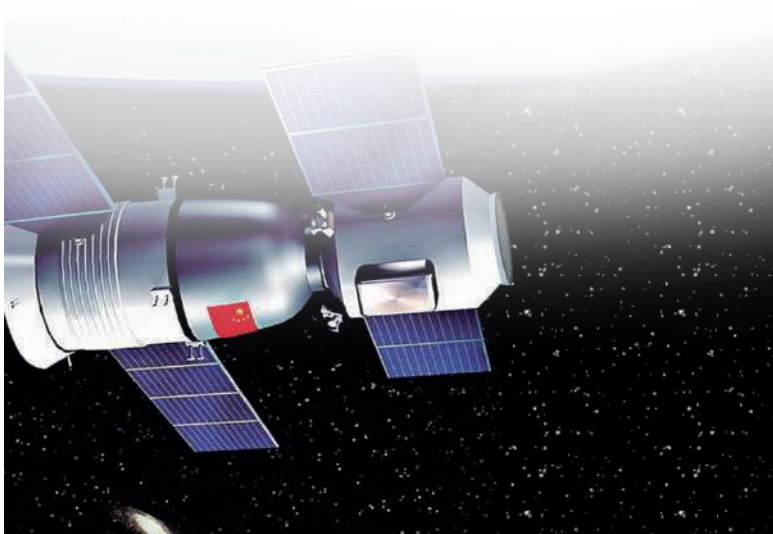
Big Size: Cell 166*83

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.

5W

Positive tolerance 0/+5w guaranteed



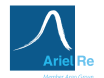
Entire module certified to with stand extreme wind (2400 Pa) and snow loads (5400 Pa)

PID

PID Resistant

Comprehensive and first-rate certification system

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



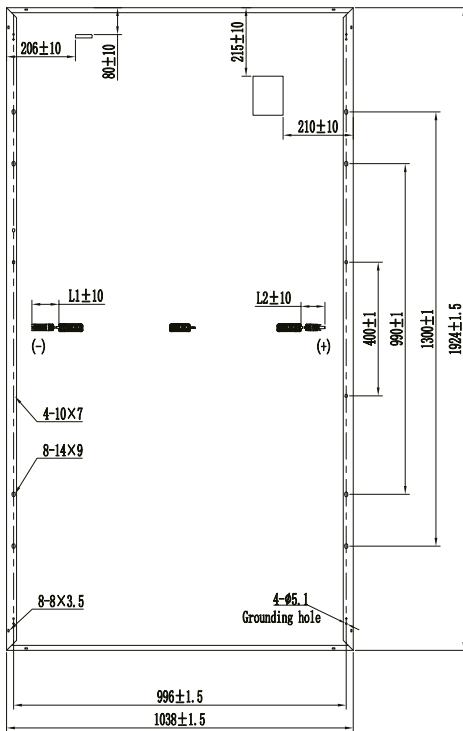
CEC Listed



Bloomberg
TIER 1

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

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/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 (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 |
| NMOT | 45°C ±2°C | | | |

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

Mechanical Characteristics

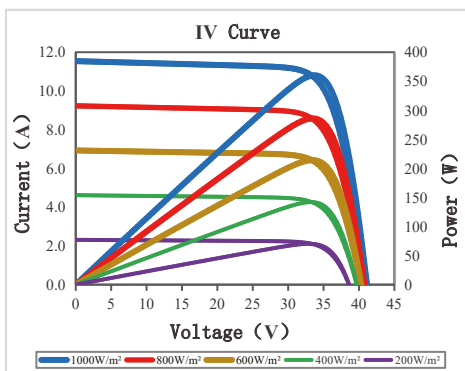
| | |
|-------------------------|--|
| Solar Cells | Monocrystalline 166 × 83 mm |
| No. of Cells | 132 (6 × 22) |
| Dimensions | 1924mm×1038mm×30mm |
| Weight | 21.5 kg |
| Front Glass | High transmission tempered glass |
| Frame | Anodized aluminium alloy, silver / black frame |
| Junction Box | IP68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

Temperature Characteristics

| | | |
|---------------------------------|---------|----------|
| Temperature Coefficient of 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

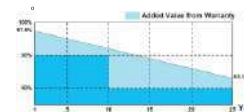
Current-Voltage & Power-Voltage Curve



Warranty

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

Specific information is referred to the product quality guarantee



Information Box

DS166-003-A1