HT-SAAE

NEW

HT66-166M-XXX
(XXX=400-415 in step of 5W)

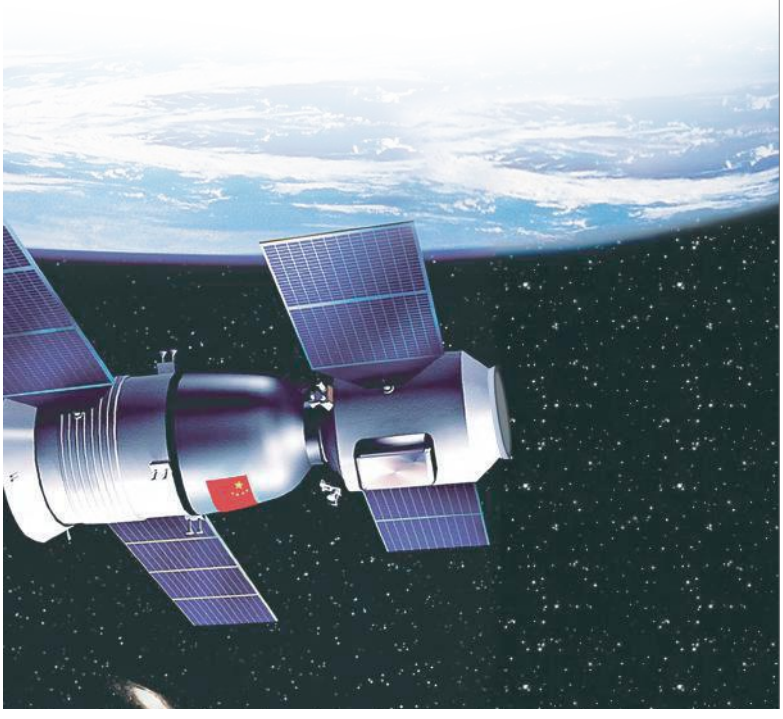
POWER OUTPUT

400W / 405W
410W / 415W

- Module Efficiency: 20.8%
- No. of Cells: 132(6x22)
- Weight: 22.0kg
- Dimensions: 1924mmx1038mmx35mm

- (Optional) Design of Water Leakage Trough

monocrystalline
182 x 91 mm



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

25Y
Product Warranty

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

25Y
Performance Warranty

2%

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/1.5 Wind 2400 Pa/1.5 Snow

5W
Positive tolerance 0/+5w guaranteed

Comprehensive and first-rate certification system

IEC61215: 2016.IEC61730: 2016 Latest Standard
IS09001, IS014001 and ISO45001,
meeting the highest international standards
Strict quality control

IEC 61215
IEC 61730
Regular Production Surveillance
TÜVRheinland CERTIFIED
www.tuv.com ID 1419053360

Melbourne
Address:
170 Cherry Ln
Laverton North VIC 3026

Sydney
Address:
1/429 Victoria St
Wetherill Park NSW 2164

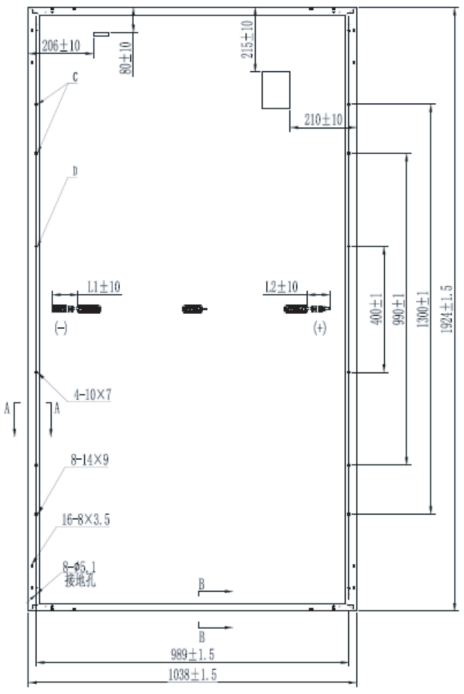
Brisbane
Address:
9/57 Mortimer Rd
Acacia Ridge QLD 4110

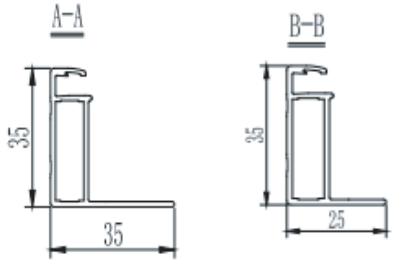
MULTIWAY+
Better Choice For Higher Efficiency!

HT66-166M-XXX
(XXX=400-415 in step of 5W)
1500V module

400W/405W/410W/415W

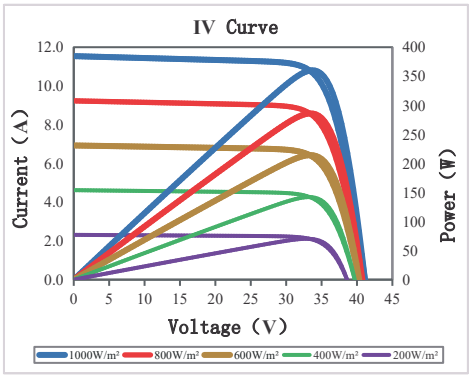
Engineering Drawing





I-V Curves

Current-Voltage & Power-Voltage Curve



Electrical Charateristricts

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%	
Tolerance	Pmax±3% Voc±5% Isc±5%				
Maximum System Voltage	1500V DC(IEC)				
Maximum Series Fuse Rating	20A				
Operating Temperature	-40 ℃ to + 85 ℃				
Fire class	Class 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	
NOCT	45℃±2℃				

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

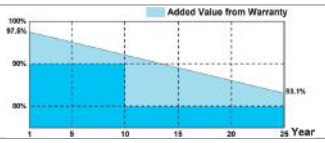
Mechanical Characteristics

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	4mm²(IEC)
Connectors	Refer to the information Boxbelow
Packaging Configuration	31ps / box, 744pcs / 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

Warranty

25 Year Product Warranty	
25 Year Performance Warranty	
Specific information is referred to the product quality guarantee	

Information Box
Connectors:
1、PV-JK03M-2 Max. Voltage=1500V Max. Current=30A Manufacturer: Jiangxi Jinko PV Material Co., Ltd.
2、PV-CO02 Max. Voltage=1500V Max. Current=30A Manufacturer: SUZHOU UKT NEW ENERGY TECHNOLOGY Co., Ltd.
3、PV-HT002-1 Max. Voltage=1500V Max. Current=30A Manufacturer: Shanghai Aerospace Automobile Electromechanical Co., Ltd.
4、PV-HT03 Max. Voltage=1500V Max. Current=30A Manufacturer: Jiangsu Haitian Microelectronics Corp.
5、PV-KST4-EVO 2/ xy_UR (male); PV-KBT4-EVO 2/ xy_UR (female) Max. Voltage=1500V Max. Current=45A.
Manufacturer: Stäubli Electrical Connectors AG.

The module recycling should be carried out by the professional institutions at the the end of module life cycle