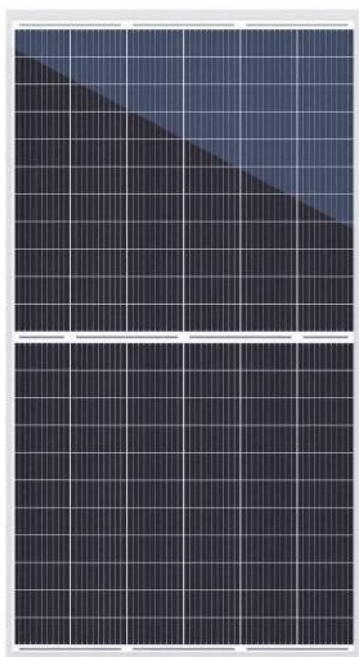




HT66-166M-XXX (XXX=400-415 in step of 5W)

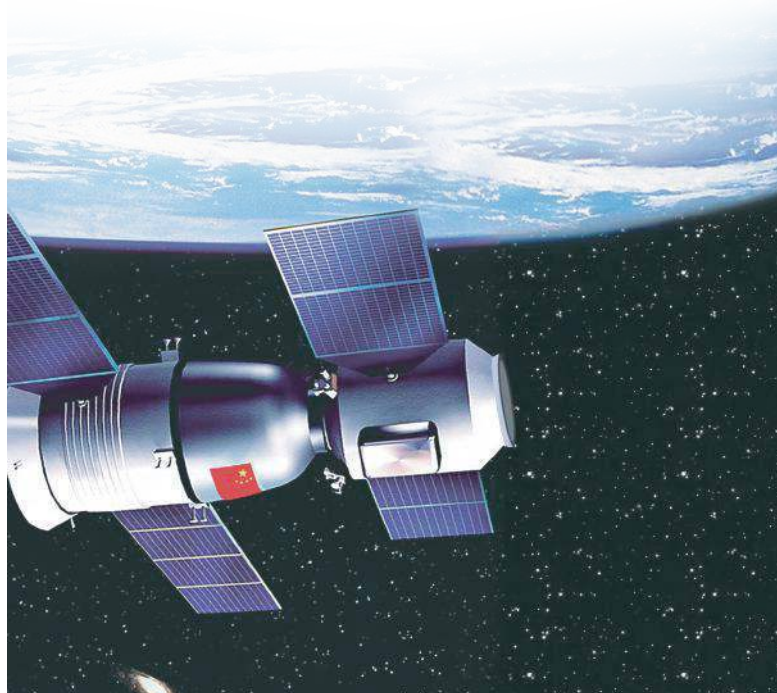
POWER OUTPUT

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



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 compo-
nent 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**, increas-
ing 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.



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
ISO9001, ISO14001 and ISO45001,
meeting the highest international standards
Strict quality control

Warranty partner



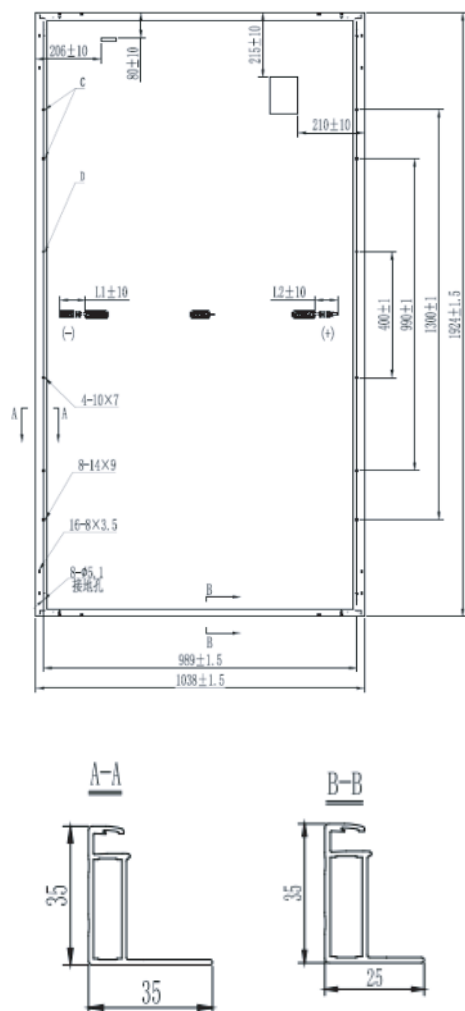
Munich RE

www.munichre.com/PVWarrantyPartner

Made in China

400W/405W/410W/415W

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

NMOT

*STC: Irradiance 1000W/m², module temperature 25, AM=1.5
Optional black frame or white frame module according to customer requirements

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/m², ambient temperature 20 °C, wind speed 1 m/s

Mechanical Characteristics

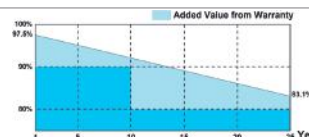
Solar Cells	Monocrystalline 166 × 83 mm
No. of Cells	132 (6 × 22)
Dimensions	1924mm×1038mm×35mm
Weight	22.0 kg
Front Glass	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68
Cable	4mm ² (IEC)
Connectors	Refer to the information Box below
Packaging Configuration	31ps / box, 744ps / 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

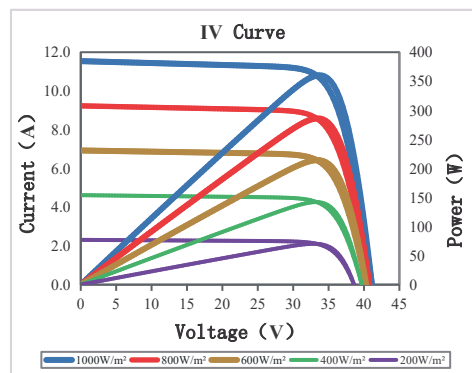
Warranty

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

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.