

HT60-166M

Big Size: Cell 166*83

360W / 365W
370W / 375W / 380W

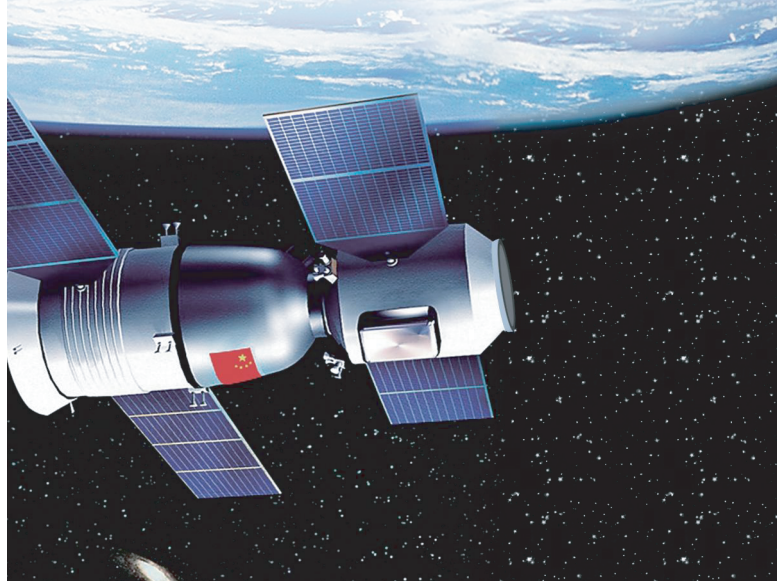


- Module Efficiency: 20.3%
- No. of Cells: 120 (6 × 20)
- Weight: 20.5kg
- Dimensions: 1775mm×1052mm×35mm

● (Optional)
Design of Water
Leakage Trough

Monocrystalline

Established to develop solar technology
for Satellite program



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

Factory:
Lianyungang ShenZhou New Energy Co., Ltd.
Turkey HT Solar Energy Joint Stock Company



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



**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



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) and snow
loads (5400 Pa)**

5W

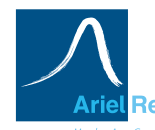
**Positive tolerance
0/+5w guaranteed**

PID

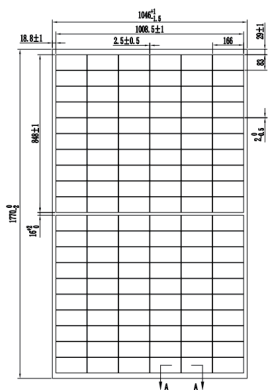
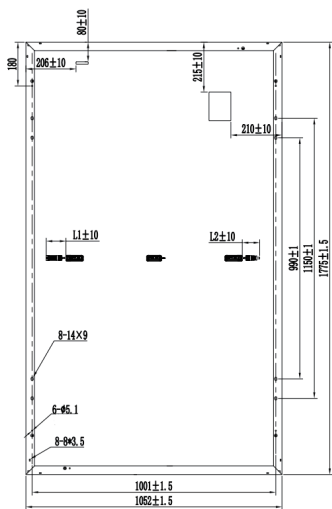
PID Resistant

**Comprehensive and first-rate
certification system**

IEC61215: 2016, IEC61730: 2016 Latest Standard
ISO9001, ISO14001 and OHSAS18001,
meeting the highest international standards
Strict quality control



Engineering Drawing



Electrical Characteristics

Module	HT60-166M				
Maximum Power at STC(Pmax)	360	365	370	375	380
Open-Circuit Voltage(Voc)	41.1	41.3	41.5	41.6	41.7
Short-Circuit Current(Isc)	11.53	11.63	11.72	11.85	11.98
Optimum Operating Voltage (Vmp)	33.7	33.9	34.1	34.2	34.3
Optimum Operating Current(Imp)	10.69	10.77	10.86	10.98	11.09
Module Efficiency	19.3%	19.5%	19.8%	20.1%	20.3%
Power Tolerance	0 ~ +5W				
Maximum System Voltage	1000V / 1500V DC(IEC)				
Maximum Series Fuse Rating	15A				
Operating Temperature	-40 ℃ to +85 ℃				

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

NMOT

Module	HT60-166M				
Maximum Power	267	270	274	278	281
Open Circuit Voltage (Voc)	38.8	39.0	39.2	39.3	39.4
Short Circuit Current (Isc)	9.31	9.39	9.46	9.57	9.67
Maximum Power Voltage (Vmp)	31.8	32.0	32.2	32.3	32.4
Maximum Circuit Current (Imp)	8.40	8.44	8.51	8.61	8.67
NOCT	45°C ±2°C				

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

Mechanical Characteristics

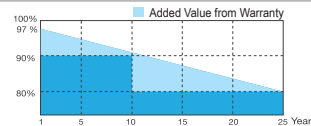
Solar Cells	Monocrystalline 166 × 83 mm
No.of Cells	120 (6 × 20)
Dimensions	1775mm×1052mm×35mm
Weight	20.5 kg
Front Glass	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68
Cable	4mm²(IEC) Length: (+)200mm,(-)300mm
Connectors	PVC002, MC ₄ Compatible
Packaging Configuration	31pcs / box, 806pcs / 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	



Information Box

I-V Curves

Current-Voltage & Power-Voltage Curve

