

HT66-166M

Shanghai Aerospace Automobile Electromechanical Co., Ltd.

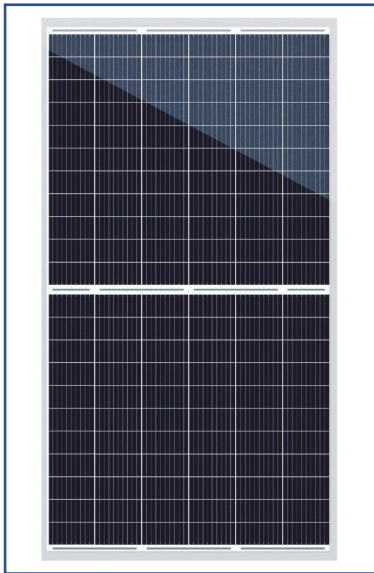
Website : www.ht-saae.com.au

Address: 222 Caoxi Rd, the 8th Floor of Spaceflight

Made in China

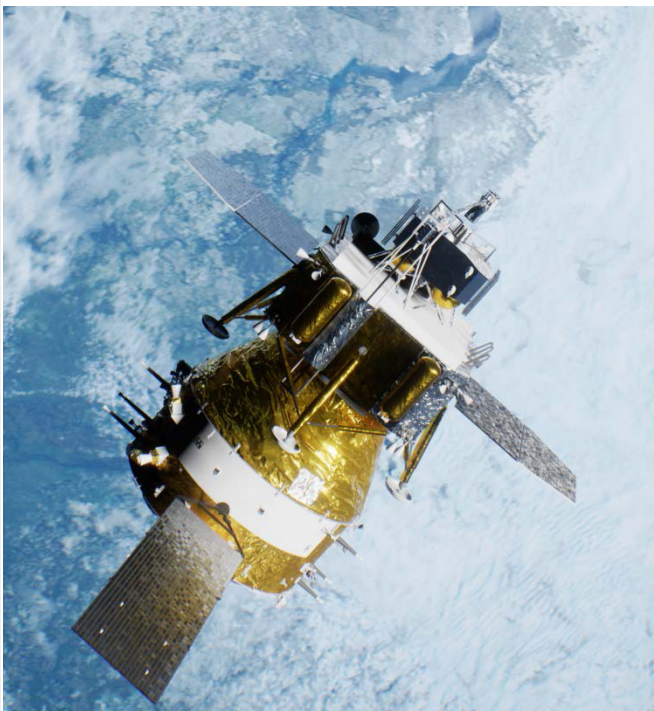
NEW Large wafer

410W/415W
420W/425W/430W



- Module Efficiency: 21.5%
- No. of Cells 132(6×22)
- Weight 21.5kg
- Dimensions 1924mm×1038mm×30mm
- monocrystalline 166×83mm

MULTIWAY+



Half cut cell technology can reduce the internal power loss and improve component overall power. Excellent heat dissipation avoids hot spot production.



The optimized number and width of main gate lines, Maximize the light receiving area of components and Reduce component power consumption.



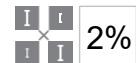
Designed for high voltage systems of up to 1500 VDC, increasing the string length of solar systems and saving on BoS costs

25Ys

Products warranty

25Ys

Warranty on power output



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

EL

Microcrack resistant Double glass structure 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

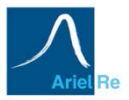
Positive tolerance 0/+5w guaranteed

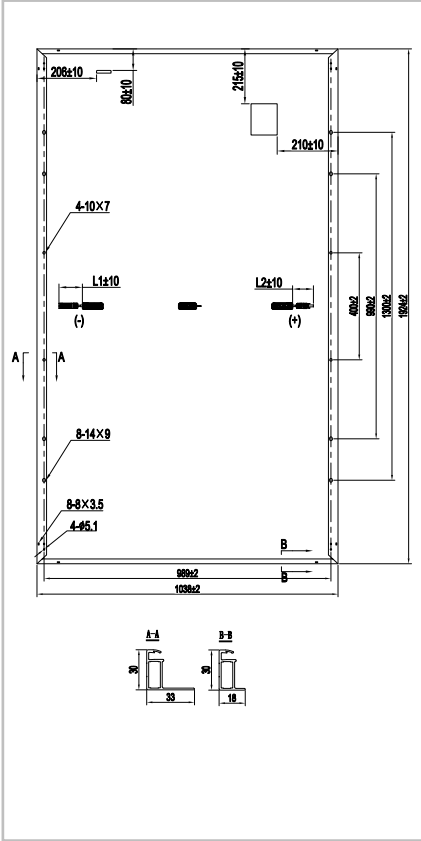
Anti PID

PID resistant **Optional**

Comprehensive and first-rate certification system

IEC 61215:2016. IEC 61730:2016 Latest Standard ISO 9001, ISO 14001 and ISO 45001, meeting the highest international standards Strict quality control





Electrical Characteristics (STC)

Module Type	HT66-166M				
Maximum Power(Pmax)	410W	415W	420W	425W	430W
Open Circuit Voltage(Voc)	45.7V	45.8V	45.5V	45.7V	45.9V
Short Circuit Current(Isc)	11.80A	11.93A	11.77A	11.85A	11.93A
Maximum Power Voltage(Vmp)	38.1V	38.2V	38.3V	38.5V	38.7V
Maximum Power Current(Imp)	10.77A	10.88A	10.97A	11.05A	11.12A
Module Efficiency(%)	20.5%	20.8%	21.0%	21.3%	21.5%
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				

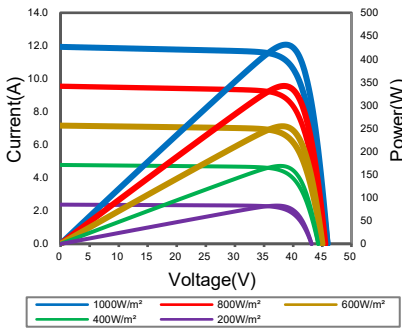
* STC: AM 1.5, Irradiance 1000W/m², module temperature 25°C

Electrical Characteristics (NMOT)

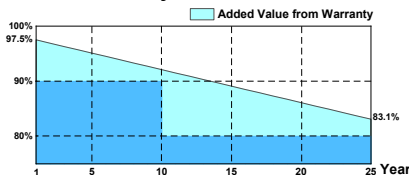
Module Type	HT66-166M				
Maximum Power(Pmax)	304W	307W	312W	316W	320W
Open Circuit Voltage(Voc)	43.2V	43.3V	43.1V	43.3V	43.5V
Short Circuit Current(Isc)	9.53A	9.63A	9.50A	9.56A	9.63A
Maximum Power Voltage(Vmp)	36.0V	36.1V	36.3V	36.5V	36.7V
Maximum Power Current(Imp)	8.44A	8.50A	8.60A	8.66A	8.72A

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

• IV Curves



• Warranty



25-year product warranty*

25-year warranty on power output*

* Specific information is referred to the product quality guarantee

Temperature Coefficient of Pmax	γ (Pm)	-0.33%/K
Temperature Coefficient of Voc	β (Voc)	-0.26%/K
Temperature Coefficient of Isc	α (Isc)	0.042%/K

Solar Cells	Monocrystalline 166 × 83mm
No. of Cells	132 (6×22)
Dimensions	1924mm×1038mm×30mm
Weight	21.5kg
Front Glass	High transmission tempered glass
Frame	Anodized aluminum alloy
Junction Box / Connectors	IP68 / PV-HT005-01(HT-saae)
Cable	4mm ² (IEC) Length: (+) 200mm, (-) 300mm
Fire Rating	Class C
Packaging Configuration	36 pcs/box: 864 pcs(912 pcs)/ 40' HQ Container

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

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