

\* V means 1500V module

HT72-156M-MC  
HT72-156M(V)-MC

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

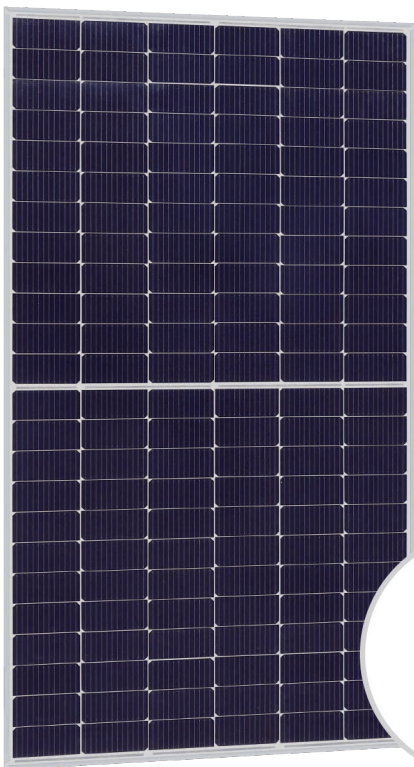


Factory :  
Lianyungang ShenZhou New Energy Co., Ltd.  
Turkey HT Solar Energy Joint Stock Company

NEW

Big Zise: Cell 158.75\*79.375

**395W / 400W**  
**405W / 410W / 415W**



- Module Efficiency: 20.60%
- No.of Cells: 144 (6 × 24)
- Weight: 23.0kg
- Dimensions: 2008mm×1002mm×40mm



Monocrystalline  
158.75 × 79.375mm

MULTIWAY+



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

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

12Ys  
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 Double glass structure 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**

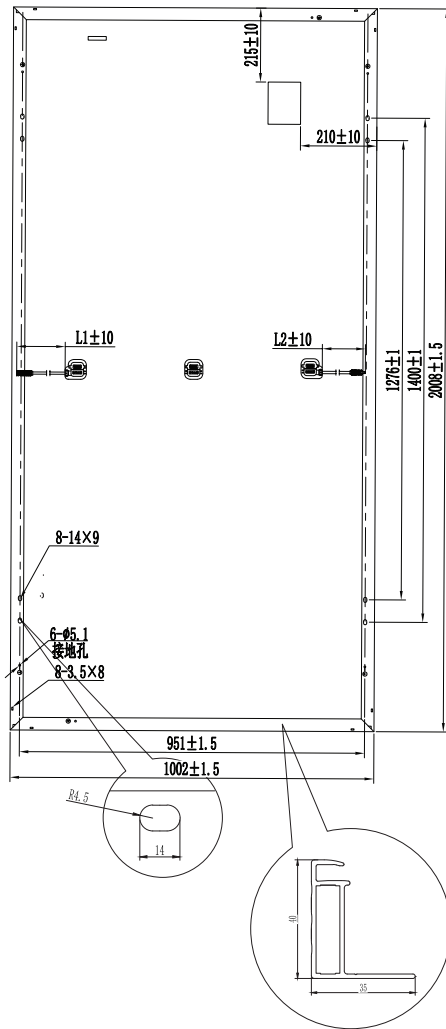
**Comprehensive and first-rate certification system**

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



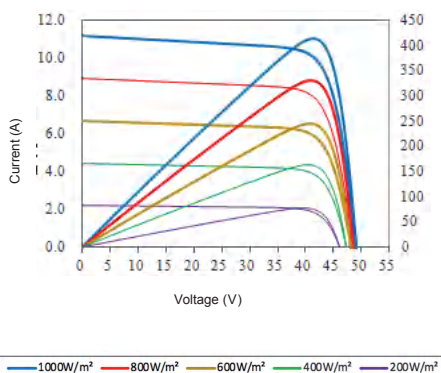
IEC 61215  
IEC 61730  
Regular Production  
Surveillance  
www.tuv.com

### Engineering Drawing



### I-V Curves

Current-Voltage & Power-Voltage Curve



### Electrical Characteristics

Module	HT72-156M-MC / HT72-156M(V)-MC				
Maximum Power at STC(Pmax)	395W	400W	405W	410W	415W
Open-Circuit Voltage(Voc)	48.6V	48.7V	48.8V	48.9V	49.0V
Short-Circuit Current(Isc)	10.67A	10.79A	10.91A	11.03A	11.15A
Optimum Operating Voltage (Vmp)	40.5V	40.7V	40.9V	41.1V	41.3V
Optimum Operating Current(Imp)	9.76A	9.84A	9.91A	9.98A	10.06A
Module Efficiency	19.6%	19.9%	20.1%	20.4%	20.6%
Power Tolerance	0 ~ +5W				
Maximum System Voltage	1000V / 1500V DC(IEC)				
Maximum Series Fuse Rating	15A				
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

### NOCT

Module	HT72-156M-MC / HT72-156M(V)-MC				
Maximum Power	293W	296W	300W	304W	307W
Open Circuit Voltage (Voc)	45.9V	46.0V	46.1V	46.2V	46.3V
Short Circuit Current (Isc)	8.62A	8.71A	8.81A	8.91A	9.00A
Maximum Power Voltage (Vmp)	38.3V	38.5V	38.6V	38.8V	39.0V
Maximum Circuit Current (Imp)	7.65A	7.69A	7.77A	7.84A	7.87A
NOCT	45°C±2°C				

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

### Mechanical Characteristics

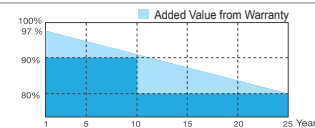
Solar Cells	Monocrystalline 158.75 × 79.375mm
No. of Cells	144 (6 × 24)
Dimensions	2008mm×1002mm×40mm
Weight	23 kg
Front Glass	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67
Cable	4mm² (IEC) Length:1100mm
Connectors	MC+ / MC+ Compatible
Packaging Configuration	27pcs / box, 594pcs / 40'HQ Container

### Temperature Characteristics

Temperature Coefficient of Pmax	$\gamma$ (Pm)	-0.39%/K
Temperature Coefficient of Voc	$\beta$ (Voc)	-0.29%/K
Temperature Coefficient of Isc	$\alpha$ (Isc)	0.049%/K

### Warranty

12-year product warranty  
25-year warranty on power output  
Specific information is referred to the product quality guarantee



### Information Box