

\* V means 1500V module

HT60-156M-C  
HT60-156M(V)-C

NEW

Big Size: Cell 158.75\*158.75

**315W / 320W / 325W**  
**330W / 335W**



- Module Efficiency: 19.9%
- No. of Cells: 60 (6 × 10)
- Weight: 18.5kg
- Dimensions: 1665mm×1002mm×35mm

- (Optional) Design of Water Leakage Trough

Monocrystalline  
158.75 × 158.75mm

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

12Ys

Products  
Warranty



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

25Ys

Warranty on  
power output



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

PID  
PID Resistant

EL

**Microcrack  
resistant  
Double glass  
structure 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**

**Comprehensive and first-rate  
certification system**

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

Warranty partner



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

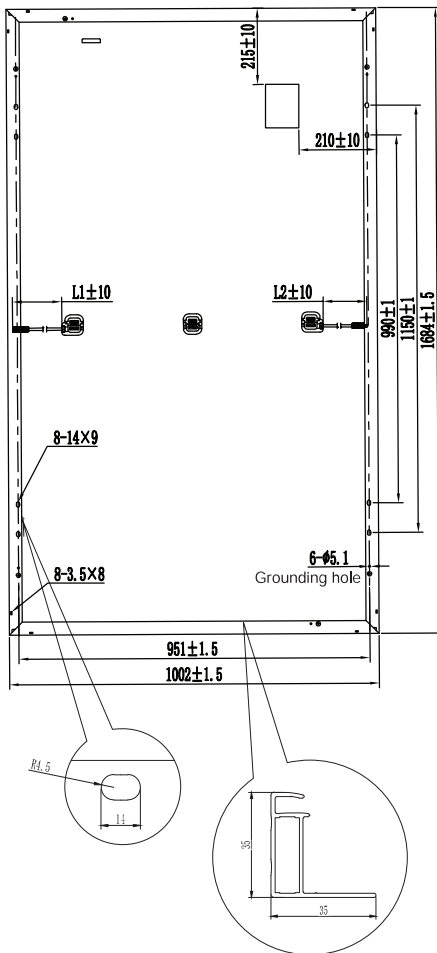


www.munichre.com/PVWarrantyPartner

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## 315W/320W/325W/330W/335W

### • Engineering Drawing



### • Electrical Characteristics

Module	HT60-156M-C / HT60-156M(V)-C				
Maximum Power at STC(Pmax)	315W	320W	325W	330W	335W
Open-Circuit Voltage(Voc)	40.1V	40.2V	40.3V	40.4V	40.5V
Short-Circuit Current(Isc)	10.36A	10.49A	10.61A	10.74A	10.87A
Optimum Operating Voltage (Vmp)	33.7V	33.8V	33.9V	34.1V	34.3V
Optimum Operating Current(Imp)	9.37A	9.49A	9.60A	9.69A	9.78A
Module Efficiency	18.7%	19.0%	19.3%	19.6%	19.9%
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/m<sup>2</sup>, module temperature 25, AM=1.5  
Optional black frame or white frame module according to customer requirements

### • NOCT

Module	HT60-156M-C / HT60-156M(V)-C				
Maximum Power	233W	237W	241W	244W	248W
Open Circuit Voltage (Voc)	37.9V	38.0V	38.1V	38.2V	38.3V
Short Circuit Current (Isc)	8.37A	8.47A	8.57A	8.67A	8.78A
Maximum Power Voltage (Vmp)	31.8V	31.9V	32.0V	32.2V	32.4V
Maximum Circuit Current (Imp)	7.33A	7.43A	7.53A	7.58A	7.65A
NOCT	45°C±2°C				

\*NOCT: Irradiance 800W/m<sup>2</sup>, ambient temperature 20 °C, wind speed 1 m/s

### • Mechanical Characteristics

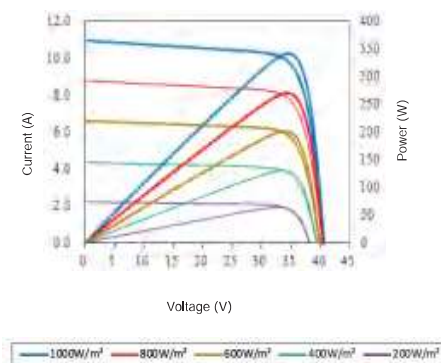
Solar Cells	Monocrystalline 158.75 × 79.375mm
No. of Cells	120 (6 × 20)
Dimensions	1684mm × 1002mm × 35mm
Weight	19.0kg
Front Glass	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67
Cable	4mm <sup>2</sup> (IEC) Length: 900mm
Connectors	MC4 / MC4 Compatible
Packaging Configuration	30pcs / box, 780pcs / 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

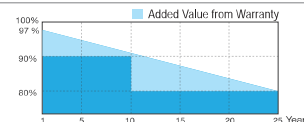
### • I-V Curves

Current-Voltage & Power-Voltage Curve



### • Warranty

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



### • Information Box

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