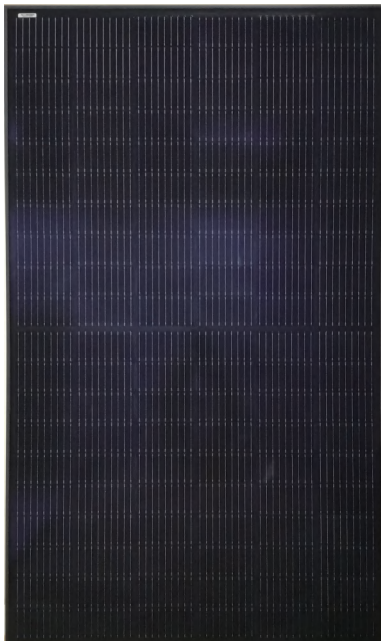


# HT60-156M-C

**NEW**

**FULL BLACK**

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



- Module Efficiency: 19.9%
- No. of Cells: 60 (6 × 20)
- Weight: 19kg
- Dimensions: 1684mm×1002mm×35mm

- (Optional) Design of Water Leakage Trough

Monocrystalline  
158.75 × 79.375mm



Shanghai Aerospace Automobile  
Electromechanical Co., Ltd.  
website: [www.ht-saae.com](http://www.ht-saae.com)

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



**12Ys**  
**Products**  
**Warranty**

**25Ys**  
**Warranty on**  
**power output**

**PID**  
**PID Resistant**



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



**Entire module**  
**certified to with**  
**stand extreme wind**  
**(2400 Pa) and snow**  
**loads (5400 Pa)**



**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, increas-**  
**ing the string length**  
**of solar systems and**  
**saving on BoS costs**



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

**5W**

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

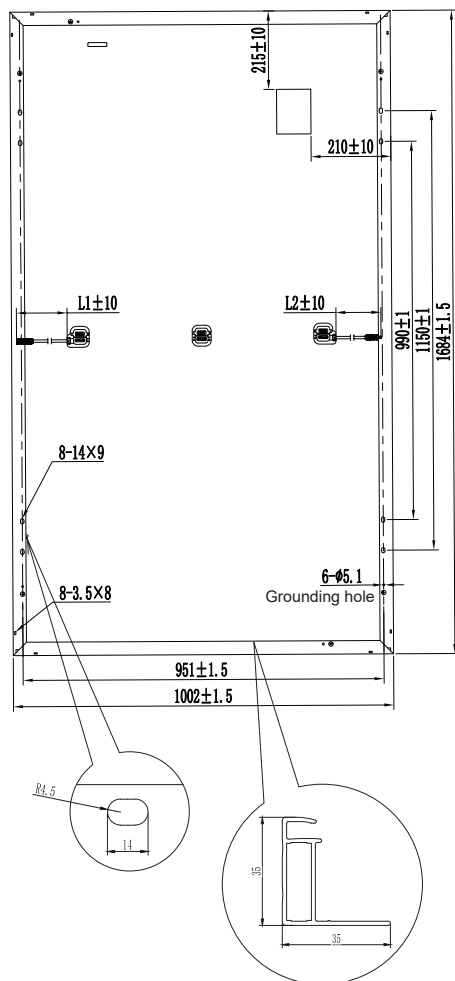
**Comprehensive and first-rate**  
**certification system**

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



### 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	1500V DC(IEC)				
Maximum Series Fuse Rating	20A				
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

#### • NMOT

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				

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

#### • Mechanical Characteristics

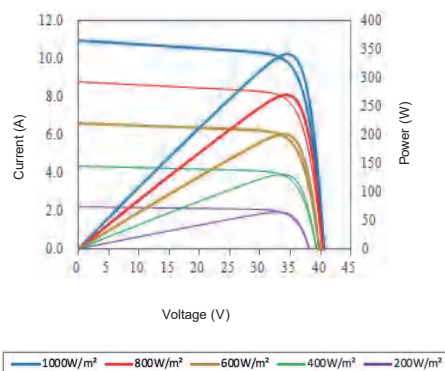
Solar Cells	Monocrystalline 158.75 × 79.375mm
No. of Cells	120 (6 × 20)
Dimensions	1684mm × 1002mm × 35mm
Weight	19.0kg
Front Glass	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68
Cable	4mm² (IEC) Length: (+)200mm, (-)300mm
Connectors	MC4 / MC4 Compatible
Packaging Configuration	30pcs / box, 780pcs / 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

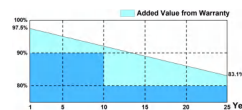
#### • I-V Curves

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