

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

\* V means 1500V module

## 320W / 325W / 330W 335W / 340W



- Module Efficiency: 20+ %
- No. of Cells: 120 (6\*20)
- Weight: 19.0kg
- Dimensions: 1665mm× 992mm×35mm

● (Optional)  
Design of Water  
Leakage Trough  
Monocrystalline

HT-SAAE started on solar technology  
research for China's Satellite Application  
since 1960

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

12Ys  
Products  
Warranty



**5BB** 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

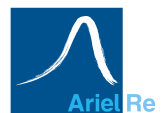
Positive tolerance  
0/+5w guaranteed

**Comprehensive and first-rate  
certification system**

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



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

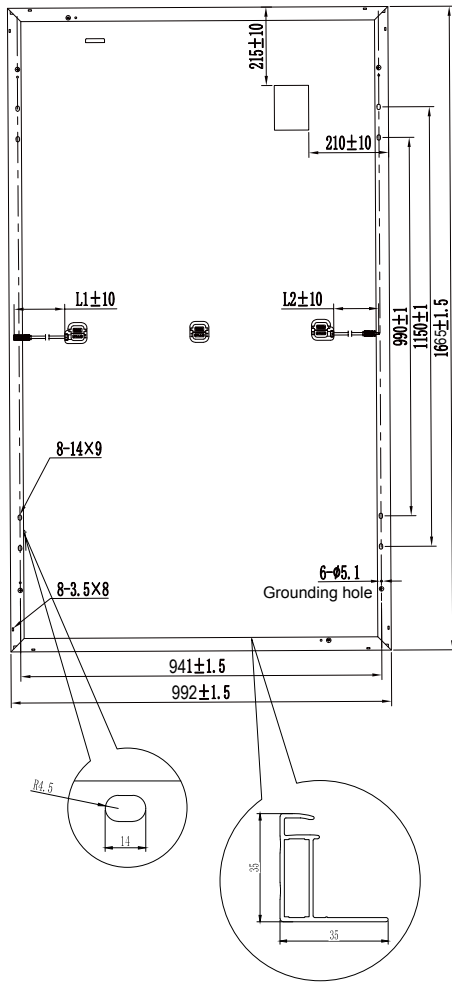


Member Argo Group

MULTIWAY+

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

#### • Engineering Drawing



#### • Electrical Characteristics

Module	HT60-156M-C / HT60-156M(V)-C				
Maximum Power at STC(Pmax)	320W	325W	330W	335W	349W
Open-Circuit Voltage(Voc)	40.6V	40.8V	41.0V	41.2V	41.4V
Short-Circuit Current(Isc)	10.34A	10.45A	10.56A	10.67A	10.76A
Optimum Operating Voltage (Vmp)	33.7V	33.9V	34.1V	34.3V	34.5V
Optimum Operating Current(Imp)	9.51A	9.60A	9.69A	9.78A	9.87A
Module Efficiency	19.4%	19.7%	20.0%	20.3%	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/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	237W	241W	244W	248W	252W
Open Circuit Voltage (Voc)	38.4V	38.6V	38.7V	38.9V	39.1V
Short Circuit Current (Isc)	8.35A	8.44A	8.53A	8.62A	8.71A
Maximum Power Voltage (Vmp)	31.8V	32.0V	32.2V	32.4V	32.6V
Maximum Circuit Current (Imp)	7.45A	7.53A	7.58A	7.63A	7.68A
NOCT	45°C ± 2°C				

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

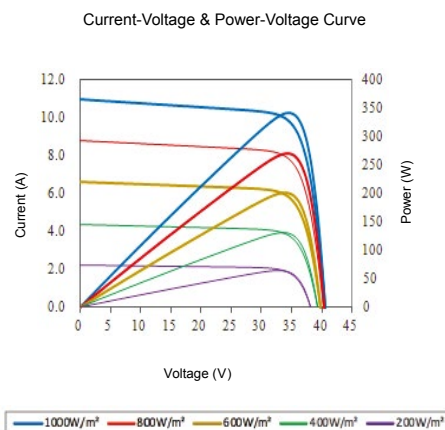
#### • Mechanical Characteristics

Solar Cells	Monocrystalline 156.75 × 78.375mm
No. of Cells	120 (6 × 20)
Dimensions	1665mm × 992mm × 35mm
Weight	19.0kg
Front Glass	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67
Cable	4mm <sup>2</sup> (IEC) Length: (+)200mm, (-)300mm
Connectors	MC4 / MC4 Compatible
Packaging Configuration	30pcs / box, 840pcs / 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



#### • Warranty

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

#### • Information Box