

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

* V means 1500V module

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



- Module Efficiency: 20.2%
- No. of Cells: 60 (6 × 20)
- Weight: 19kg
- Dimensions: 1684mm×1002mm×35mm

- (Optional)
Design of Water
Leakage Trough

Monocrystalline
158.75 × 79.375mm

Established to develop solar technology
for Satellite program

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**

**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,
increasing the string
length of solar systems
and saving on BoS costs**

PID

PID Resistant



**Half cut cell technology
can reduce the
internal power loss
and improve component
overall power.**

**Excellent heat
dissipation avoids hot
spot production.**



**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

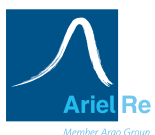
**Positive tolerance
0/+5w guaranteed**

**Comprehensive and first-rate
certification system**

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

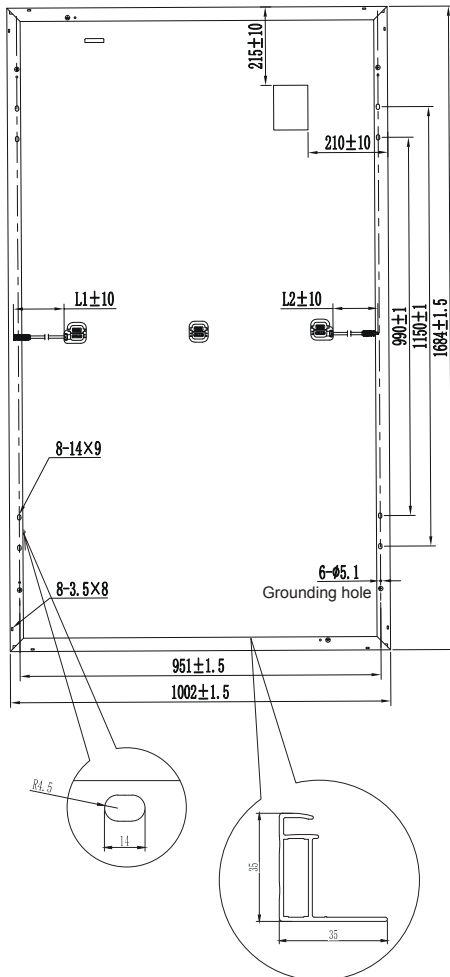


IEC 61215
IEC 61730
Regular Production
Surveillance
www.tuv.com



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

• Engineering Drawing



• Electrical Characteristics

Module	HT60-156M-C / HT60-156M(V)-C				
Maximum Power at STC(P _{max})	320W	325W	330W	335W	340W
Open-Circuit Voltage(V _{oc})	40.2V	40.3V	40.4V	40.5V	40.6V
Short-Circuit Current(I _{sc})	10.49A	10.61A	10.74A	10.87A	10.99A
Optimum Operating Voltage (V _{mp})	33.8V	33.9V	34.1V	34.3V	34.5V
Optimum Operating Current(I _{mp})	9.49A	9.60A	9.69A	9.78A	9.86A
Module Efficiency	19.0%	19.3%	19.6%	19.9%	20.3%
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	HT60-156M-C / HT60-156M(V)-C				
Maximum Power	237W	241W	244W	248W	252W
Open Circuit Voltage (V _{oc})	38.0V	38.1V	38.2V	38.3V	38.4V
Short Circuit Current (I _{sc})	8.47A	8.57A	8.67A	8.78A	8.89A
Maximum Power Voltage (V _{mp})	31.9V	32.0V	32.2V	32.4V	32.6V
Maximum Circuit Current (I _{mp})	7.43A	7.53A	7.58A	7.65A	7.73A
NOCT	45 °C ±2 °C				

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

• Mechanical Characteristics

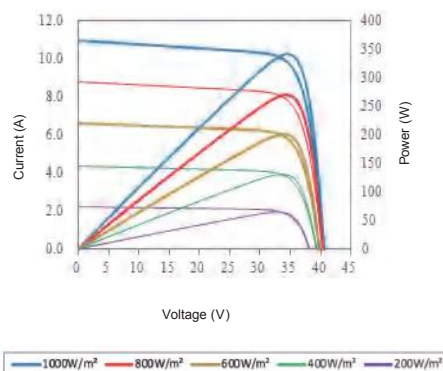
Solar Cells	Monocrystalline 158.75 × 79.375mm
No. of Cells	120 (6 × 20)
Dimensions	1684mm × 1002mm × 35mm
Weight	19.0kg
Front Glass	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68
Cable	4mm ² (IEC) Length: (+)200mm, (-)300mm
Connectors	MC4 / MC4 Compatible
Packaging Configuration	30pcs / box, 780pcs / 40'HQ Container

• Temperature Characteristics

Temperature Coefficient of P _{max}	γ (P _m)	-0.39%/K
Temperature Coefficient of V _{oc}	β (V _{oc})	-0.29%/K
Temperature Coefficient of I _{sc}	α (I _{sc})	0.049%/K

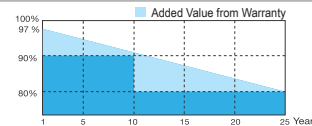
• I-V Curves

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