

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 x 992mm x 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

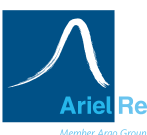
Positive tolerance
0/+5w guaranteed

**Comprehensive and first-rate
certification system**

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

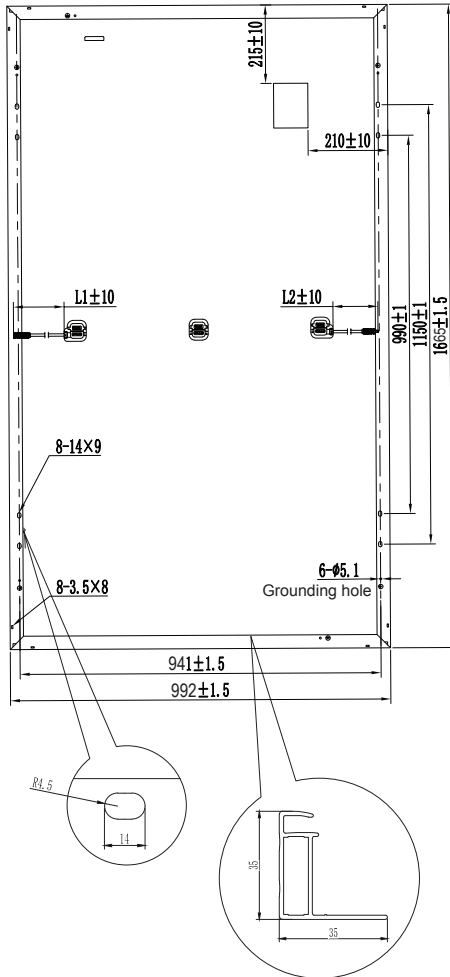


IEC 61215
IEC 61730
Regular Production
Surveillance
www.tuv.com



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/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 (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/m², ambient temperature 20 °C, wind speed 1 m/s

• Mechanical Characteristics

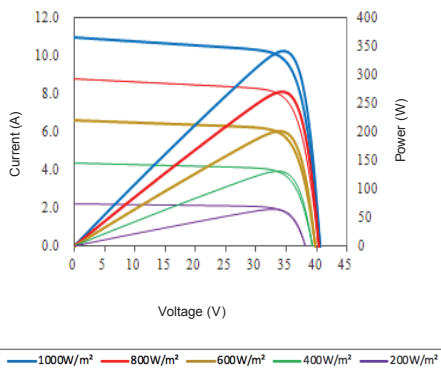
Solar Cells	Monocrystalline 156.75 × 78.375mm
No. of Cells	120 (6 × 20)
Dimensions	1665mm × 992mm × 35mm
Weight	19.0kg
Front Glass	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67
Cable	4mm ² (IEC) Length: (+)200mm, (-)300mm
Connectors	MC4 / MC4 Compatible
Packaging Configuration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

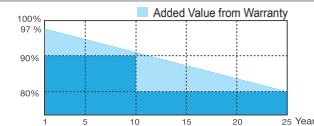
• I-V Curves

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