

* V means 1500V module

HT60-156M
HT60-156M(V)

NEW

Big Size: Cell 158.75*158.75

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



- Module Efficiency: 19.9%
- No. of Cells: 60 (6 × 10)
- Weight: 19.0kg
- Dimensions: 1684mm×1002mm×35mm

Monocrystalline
158.75 × 158.75mm



Shanghai Aerospace Automobile
Electromechanical Co., Ltd.
website: www.htsolar.com.tr



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

PID
PID Resistant



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



Advanced surface treatment, lower surface reflection and 5BB cell design can reduce the series resistance and improve the module efficiency

1000Pa

Certified to withstand dynamic mechanical load 1000 Pascal



Microcrack resistant
Triple EL tested of high quality control.



Entire module certified to withstand extreme wind (2400 Pa) and snow loads (5400 Pa)



Ammonia / Salt Mist
Corrosion resistant

2%

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

Comprehensive and first-rate certification system

IEC61215: 2016, IEC61730: 2016 Latest Standard and UL 1703 Latest Standard, ISO9001, ISO14001 and OHSAS18001, meeting the highest international standards
Strict quality control

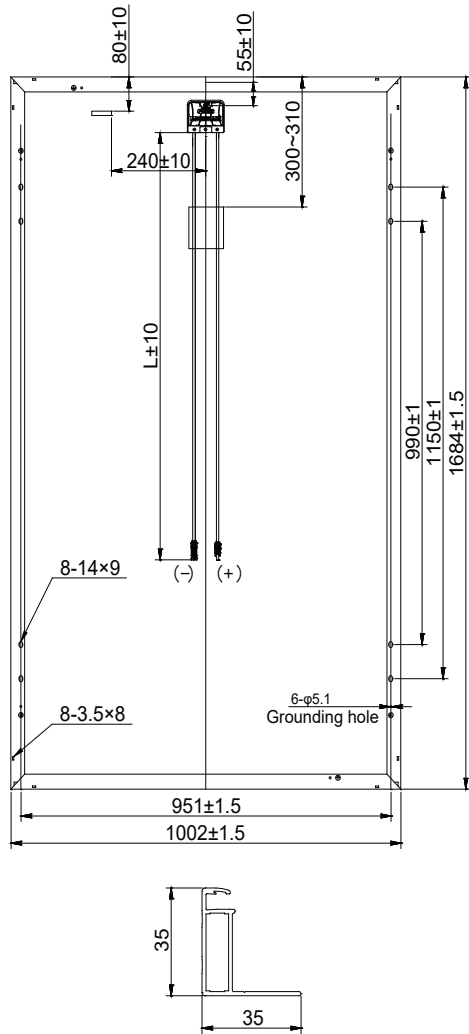


IEC 61215
IEC 61730
Regular Production
Surveillance
www.tuv.com



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

• Engineering Drawing



• Electrical Characteristics

Module	HT60-156M / HT60-156M(V)				
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(UL/IEC)				
Maximum Series Fuse Rating	15/20A				
Operating Temperature	-40 °C to +85 °C				

*STC: Irradiance 1000W/m², module temperature 25 °C, AM=1.5
Optional black frame or white frame module according to customer requirements

• NOCT

Module	HT60-156M / HT60-156M(V)				
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/m², ambient temperature 20 °C, wind speed 1 m/s

• Mechanical Characteristics

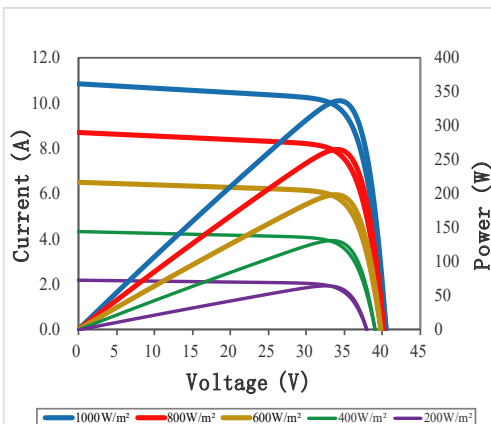
Solar Cells	Monocrystalline 158.75 × 158.75mm
No. of Cells	60 (6 × 10)
Dimensions	1684mm×1002mm×35mm
Weight	19.0kg
Front Glass	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68
Cable	4mm ² (UL/IEC) Length: 1000mm
Connectors	MC4 Compatible
Packaging Configuration	30pcs / box, 910pcs / 40'HQ Container

• Temperature Characteristics

Temperature Coefficient of Pmax	γ (Pm)	-0.355%/ °C
Temperature Coefficient of Voc	β (Voc)	-0.275%/ °C
Temperature Coefficient of Isc	α (Isc)	+0.063%/ °C

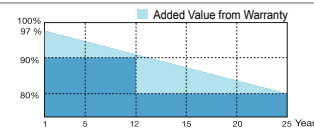
• I-V Curves

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