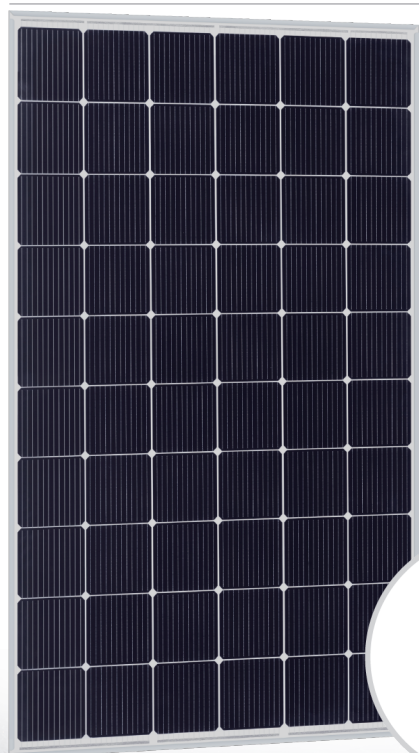


* V means 1500V module

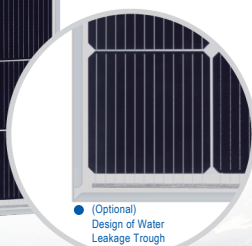
HT60-156M-M
HT60-156M(V)-M

POWER OUTPUT

305W / 310W / 315W
320W / 325W



- Module Efficiency: 19.98%
- No. of Cells: 60 (6 × 10)
- Weight: 18.5kg
- Dimensions: 1640mm×992mm×35mm



Monocrystalline
156.75 × 156.75mm



Shanghai Aerospace Automobile
Electromechanical Co., Ltd.
website: www.ht-saae.com

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

10Ys

**Products
Warranty**



**MBB 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**

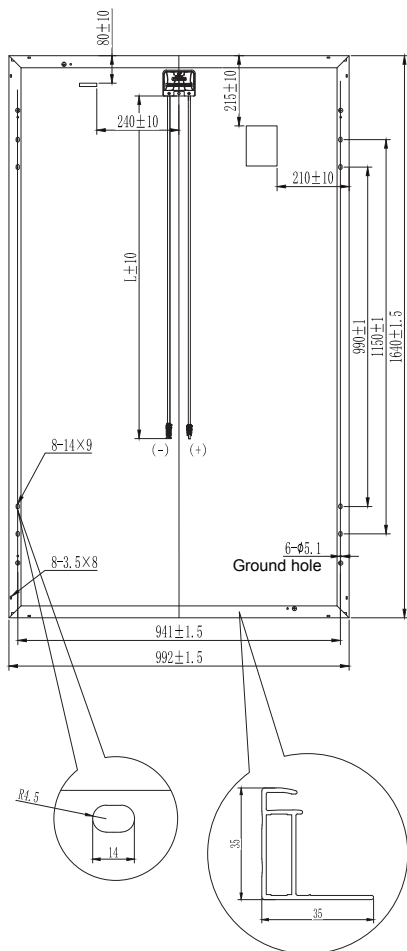
**Comprehensive and first-rate
certification system**

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

• Engineering Drawing



- Electrical Characteristics

Module	HT60-156M-M / HT60-156M(V)-M				
Maximum Power at STC(Pmax)	305W	310W	315W	320W	325W
Open-Circuit Voltage(Voc)	40V	40.2V	40.4V	40.6V	40.8V
Short-Circuit Current(Isc)	10.02A	10.14A	10.25A	10.36A	10.47A
Optimum Operating Voltage (Vmp)	33V	33.2V	33.4V	33.6V	33.8V
Optimum Operating Current(Imp)	9.26A	9.35A	9.45A	9.54A	9.63A
Module Efficiency	18.75%	19.05%	19.36%	19.67%	19.98%
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-M / HT60-156M(V)-M				
Maximum Power	226W	230W	233W	237W	241W
Open Circuit Voltage (Voc)	37.8V	38V	38.2V	38.4V	38.6V
Short Circuit Current (Isc)	8.09A	8.19A	8.28A	8.37A	8.45A
Maximum Power Voltage (Vmp)	31.2V	31.4V	31.6V	31.7V	31.9V
Maximum Circuit Current (Imp)	7.24A	7.32A	7.37A	7.48A	7.55A
NOCT	45°C±2°C				

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

- Mechanical Characteristics

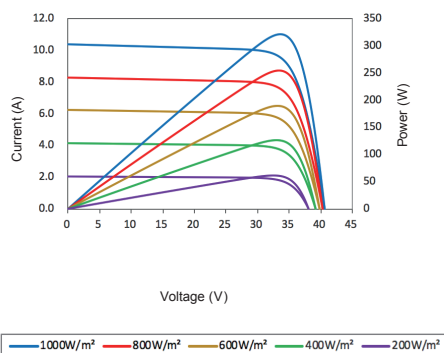
Solar Cells	Monocrystalline 156.75 × 156.75mm
No. of Cells	60 (6 × 10)
Dimensions	1640mm×992mm×35mm
Weight	18.5kg
Front Glass	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67
Cable	4mm² (IEC)
Connectors	MC4 / MC4 Compatible
Packaging Configuration	30pcs / box, 840pcs / 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

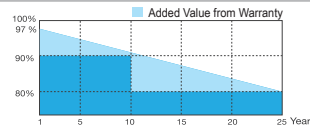
- I-V Curves

Current-Voltage & Power-Voltage Curve



- Warranty

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



- Information Box