

* V means 1500V module

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

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

NEW

Big Zise: Cell 158.75*158.75

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



- Module Efficiency:
20.4%
- No. of Cells:
60 (6 × 10)
- Weight:
18.5kg
- Dimensions:
1665mm×1002mm×35mm



Monocrystalline
158.75 × 158.75mm

MULTIWAY+

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

Warranty partner



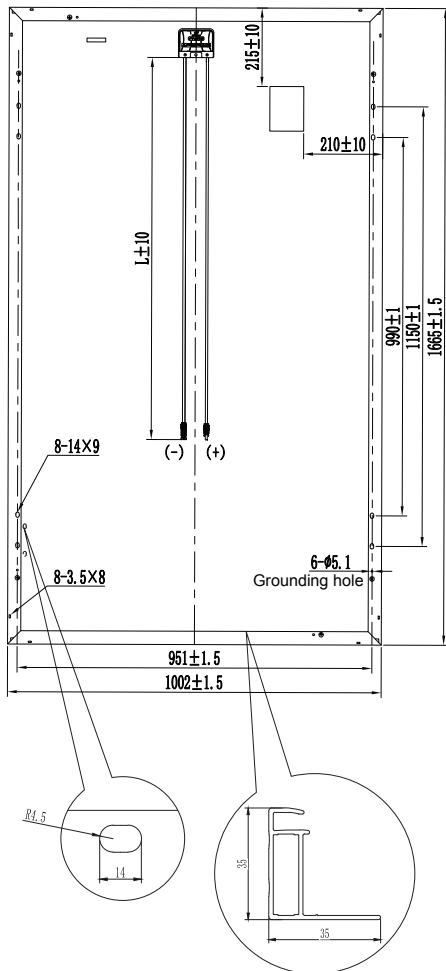
IEC 61215
IEC 61730
Regular Production
Surveillance
www.tuv.com

Munich RE



www.munichre.com/PVWarrantyPartner

Engineering Drawing



Electrical Characteristics

Module	HT60-156M-M / HT60-156M(V)-M				
Maximum Power at STC(Pmax)	320W	325W	330W	335W	340W
Open-Circuit Voltage(Voc)	40.2V	40.3V	40.4V	40.5V	40.6V
Short-Circuit Current(Isc)	10.49A	10.61A	10.74A	10.87A	11.00A
Optimum Operating Voltage (Vmp)	33.8V	33.9V	34.1V	34.3V	34.5V
Optimum Operating Current(Imp)	9.49A	9.60A	9.69A	9.78A	9.87A
Module Efficiency	19.20%	19.50%	19.80%	20.10%	20.40%
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	237W	241W	244W	248W	252W
Open Circuit Voltage (Voc)	38.0V	38.1V	38.2V	38.3V	38.4V
Short Circuit Current (Isc)	8.47A	8.57A	8.67A	8.78A	8.88A
Maximum Power Voltage (Vmp)	31.9V	32.0V	32.2V	32.4V	32.6V
Maximum Circuit Current (Imp)	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

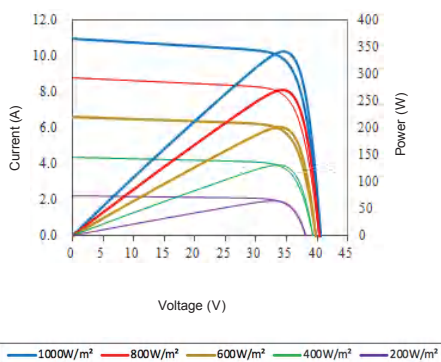
Solar Cells	Monocrystalline 158.75 × 158.75mm
No. of Cells	60 (6 × 10)
Dimensions	1665mm × 1002mm × 35mm
Weight	18.5kg
Front Glass	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67
Cable	4mm ² (IEC) Cable Length : 900mm
Connectors	MC4 / MC4 Compatible
Packaging Configuration	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

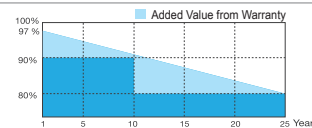
I-V Curves

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