

* V means 1500V module

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

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.

NEW

Big Size: Cell 158.75*79.375

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



- Module Efficiency: 19.9%
- No. of Cells: 60 (6 × 20)
- Weight: 19.0kg
- Dimensions: 1684mm×1002mm×35mm

● (Optional)
Design of Water
Leakage Trough

Monocrystalline
158.75 × 79.375mm

MULTIWAY+



MBB The optimized number and width of main gate lines, Maximize the light receiving area of components and Reduce component power consumption

12Ys
Products
Warranty

25Ys
Warranty on
power output

PID
PID Resistant

EL
Microcrack
resistant
Double glass
structure enhance
reliability, triple EL
tested of high
quality control.

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



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



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

5W

Positive tolerance
0/+5w guaranteed

Comprehensive and first-rate certification system

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

Warranty partner



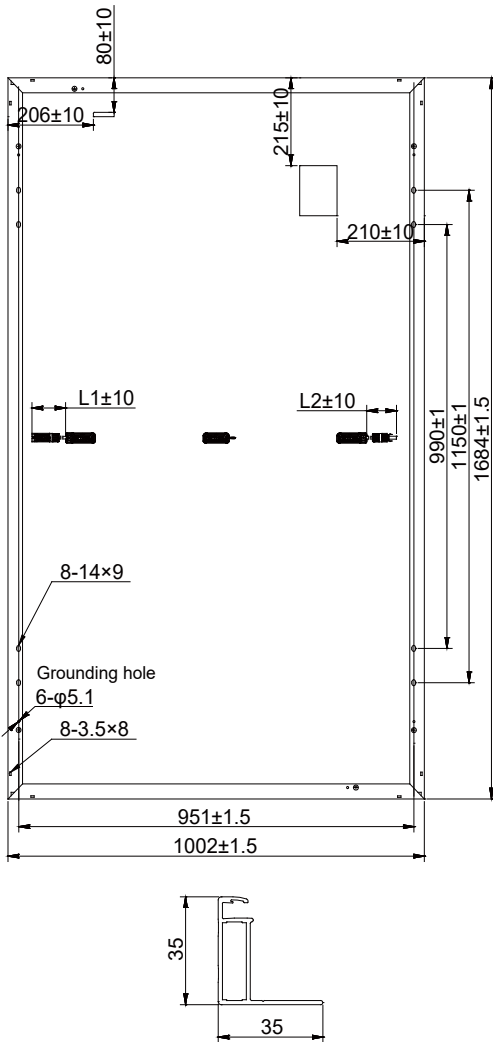
IEC 61215
IEC 61730
Regular Production
Surveillance
www.tuv.com

Munich RE

www.munichre.com/PVWarrantyPartner

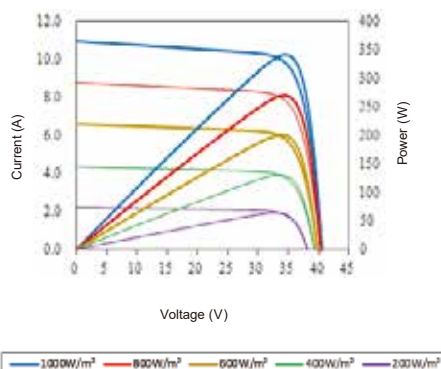
315W/320W/325W/330W/335W

Engineering Drawing



I-V Curves

Current-Voltage & Power-Voltage Curve



Electrical Characteristics

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

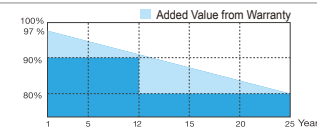
Solar Cells	Monocrystalline 158.75 × 79.375mm
No. of Cells	120 (6 × 20)
Dimensions	1684mm × 1002mm × 35mm
Weight	19.0kg
Front Glass	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68
Cable	4mm ² (UL/IEC) Length: 1000mm
Connectors	MC ₄ / MC ₄ Compatible
Packaging Configuration	30pcs / box, 910pcs / 40'HQ Container

Temperature Characteristics

Temperature Coefficient of Pmax	γ (Pm)	-0.365%/K
Temperature Coefficient of Voc	β (Voc)	-0.275%/K
Temperature Coefficient of Isc	α (Isc)	+0.063%/K

Warranty

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



Information Box