MULTIWAY+

Reliable State-owned Enterprise Deliver Solar Power since 1960s

HT-SAAE

* V means 1500V module

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

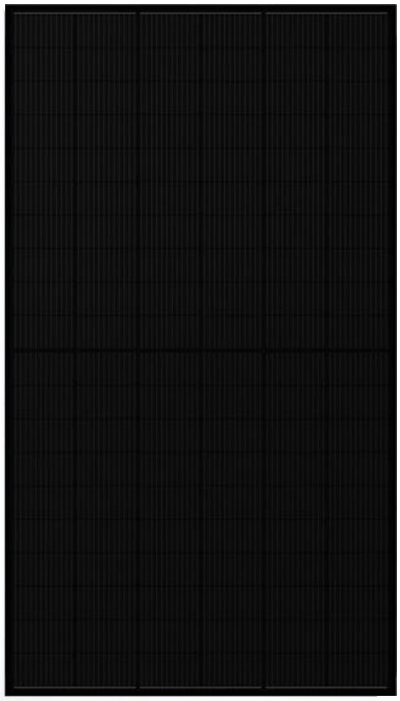
NEW

Big Zise: Cell 158.75*158.75

315W / 320W / 325W

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



- 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

10Ys
Products Warranty

25Ys
Warranty on power output

PID
PID Resistant

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)

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

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

2%

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

IEC61215: 2016.IEC61730: 2016 Latest Standard
IS09001, IS014001 and OHSAS18001,
meeting the highest international standards

Warranty partner

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

Munich RE
www.munichre.com/PVWarrantyPartner

* Copyright@2018V3 Plus Specifications are subject to change without further notification

MULTIWAY+

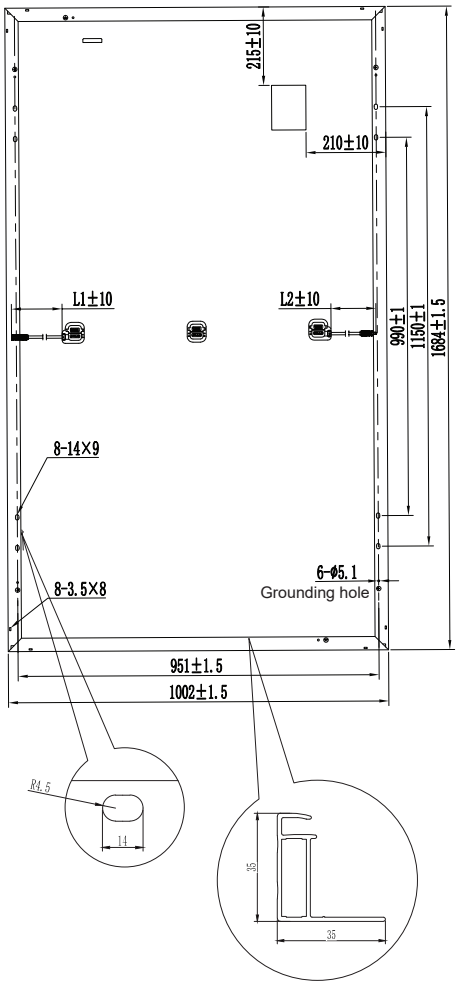
Better Choice For Higher Efficiency!

HT60-156M- C

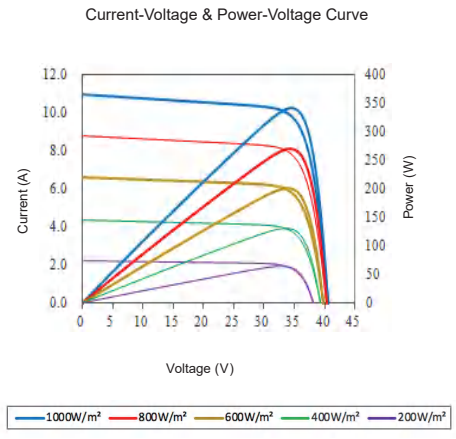
* V means 1500V module HT60-156M(V)- C

315W / 320W / 315W

• Engineering Drawing



• I-V Curves



• Electrical Charateristricts

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(IEC)				
Maximum Series Fuse Rating	15A				
Operating Temperature	-40 ℃ to + 85 ℃				

*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	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℃±2℃				

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

• Mechanical Characteristics

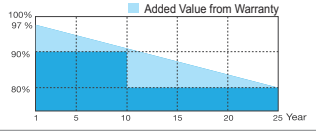
Solar Cells	Monocrystalline 158.75 × 79.375mm
No.of Cells	120 (6 × 20)
Dimensions	1684mm ×1002mm×35mm
Weight	19.0kg
Front Glass	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67
Cable	4mm² (IEC) Length: 900mm
Connectors	MC4 / MC4 Compatible
Packaging Configuration	30pcs / box, 780pcs / 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

• Warranty

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



• Information Box

SolarChamp B.V.

info@solarchamp.eu
www.solarchamp.eu
+31 01 80 84 62 46

The module recycling should be carried out by the professional institutions at the the end of module life cycle

MULTIWAY+