

HT72-156P-C

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

POWER OUTPUT

340W / 345W
350W / 355W / 360W



- Module Efficiency: 18.3%
- No. of Cells: 144 (6 × 24)
- Weight: 22.5kg
- Dimensions: 1987mm×992mm×35mm

● (Optional)
Design of Water
Leakage Trough

Polycrystalline
156.75 × 78.375mm

MULTIWAY

HIGHWAY Half-Cut



Half cut cell technology can reduce the internal power loss and improve component overall power. Excellent heat dissipation avoids hot spot production.

5BB The optimized number and width of main gate lines, Maximize the light receiving area of components and Reduce component power consumption

12Ys
Products
Warranty



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

25Ys
Warranty on
power output



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

EL

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

5W

Positive tolerance 0/+5w guaranteed



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

PID

PID Resistant

Comprehensive and first-rate certification system

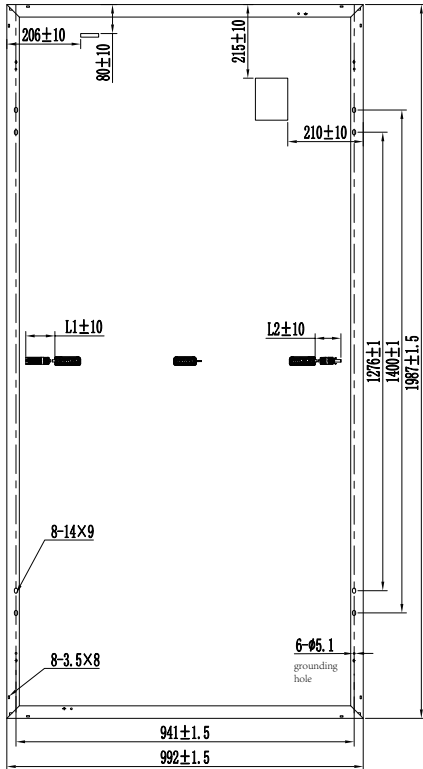
IEC61215: 2016, IEC61730: 2016 Latest Standard
ISO9001, ISO14001 and ISO45001,
meeting the highest international standards
Strict quality control



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340W/345W/350W/355W/360W

Engineering Drawing



Electrical Characteristics

Module	HT72-156P-C				
Maximum Power at STC(Pmax)	340W	345W	350W	355W	360W
Open-Circuit Voltage(Voc)	46.5V	46.8V	47.0V	47.2V	47.4V
Short-Circuit Current(Isc)	9.63A	9.72A	9.81A	9.91A	10.01A
Optimum Operating Voltage (Vmp)	38.6V	38.9V	39.2V	39.5V	39.8V
Optimum Operating Current(Imp)	8.82A	8.88A	8.94A	9.00A	9.06A
Module Efficiency	17.2%	17.5%	17.8%	18.0%	18.3%
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

NMOT

Module	HT72-156P-C				
Maximum Power	251W	254W	258W	262W	266W
Open Circuit Voltage (Voc)	43.7V	44.0V	44.1V	44.3V	44.5V
Short Circuit Current (Isc)	7.78A	7.85A	7.92A	8.00A	8.08A
Maximum Power Voltage (Vmp)	36.3V	36.5V	36.8V	37.1V	37.4V
Maximum Circuit Current (Imp)	6.91A	6.96A	7.01A	7.06A	7.11A
NMOT	45°C ± 2°C				

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

Mechanical Characteristics

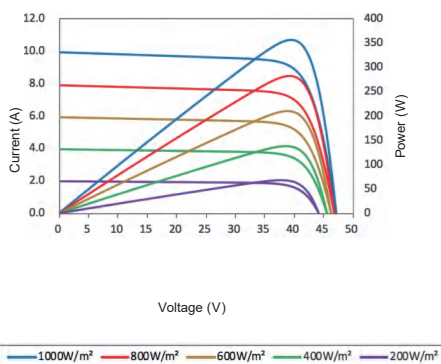
Solar Cells	Polycrystalline 156.75 × 78.375mm
No. of Cells	144 (6 × 24)
Dimensions	1987mm × 992mm × 35mm
Weight	22.5kg
Front Glass	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68
Cable	4mm ² (IEC) Length: (+)200mm, (-)300mm
Connectors	MC4 / MC4 Compatible
Packaging Configuration	31pcs / box, 682pcs / 40'HQ Container

Temperature Characteristics

Temperature Coefficient of Pmax	γ (Pm)	-0.41%/K
Temperature Coefficient of Voc	β (Voc)	-0.32%/K
Temperature Coefficient of Isc	α (Isc)	0.050%/K

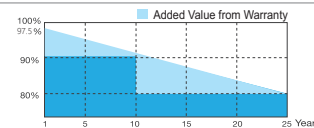
I-V Curves

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

DS156-003-A1