

* V means 1500V module

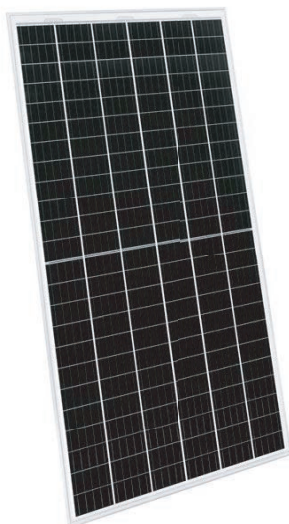
HT72-156M-C
HT72-156M(V)-C

NEW

Big Size Cell: 158.75*79.375 Monocrystalline

385W / 390W /
395W / 400W / 405W

High Efficiency Low LID Bifacial PERC with Half-cut Technology



Transparent Backsheet

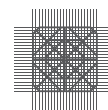
- Module Efficiency: 20.1%
- No. of Cells: 144 (6 × 24)
- Weight: 21.8kg
- Dimensions: 2008mm×1002mm×35mm



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.



Transparent Backsheet structure which enhance the Module power increases 5-25% generally (per different reflective condition) lower LCOE and higher IRR

12Ys
Products Warranty



Advanced surface treatment, lower surface reflection and 5BB cell design can reduce the series resistance and improve the module efficiency

30Ys
Warranty on power output

EL

Microcrack resistant **high performance transparent backsheet** structure enhance reliability, triple EL tested of high quality control.



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.

PID

PID Resistant

5W

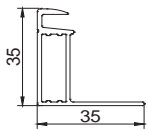
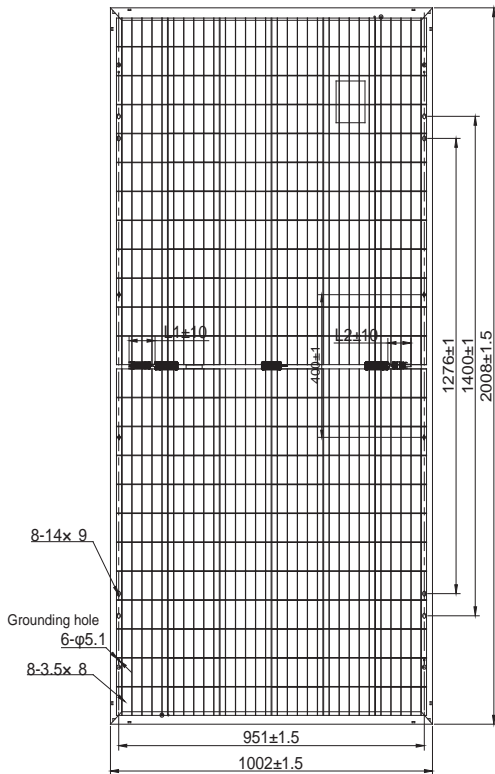
Positive tolerance 0/+5w guaranteed

Comprehensive and first-rate certification system

IEC61215: 2016.IEC61730: 2016 Latest Standard and UL 61703 Latest Standard, ISO45000, ISO14001 and OHSAS45000, meeting the highest international standards Strict quality control

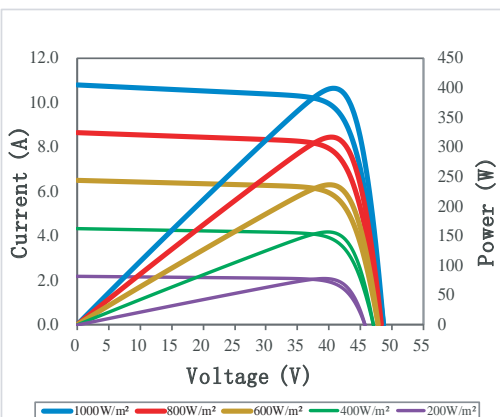


• Engineering Drawing



• I-V Curves

Current-Voltage & Power-Voltage Curve



• Electrical Characteristics

Module	HT72-156M-C/HT72-156M(V)-C				
Maximum Power at STC(Pmax)	385W	390W	395W	400W	405W
Open-Circuit Voltage(Voc)	48.4V	48.5V	48.6V	48.7V	48.8V
Short-Circuit Current(Isc)	10.47A	10.55A	10.67A	10.79A	10.91A
Optimum Operating Voltage (Vmp)	40.1V	40.3V	40.5V	40.7V	40.9V
Optimum Operating Current(Imp)	9.61A	9.68A	9.76A	9.84A	9.91A
Module Efficiency	19.1%	19.4%	19.6%	19.9%	20.1%
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

• BIFACIAL REARSIDE POWER GAIN

Electrical characteristics with different rear side power gain (reference to 405W front)

Module	HT72-156M-C/HT72-156M(V)-C-405				
Maximum Power	Pmax Gain	Voc/V	Isc/A	Vmp/V	Imp/A
425W	5%	48.8	11.46	40.9	10.41
446W	10%	48.8	12.00	40.9	10.90
466W	15%	48.8	12.55	40.9	11.40
486W	20%	48.8	13.09	40.9	11.89
506W	25%	48.8	13.64	40.9	12.39

*bifacial gain: the additional gain from the rear side compared to the power of the front side at the standard test condition. It depends on mounting (structure, height, tilt angle etc.) and albedo of the ground.

• NMOT

Module	HT72-156M-C / HT72-156M(V)-C				
Maximum Power	285W	289W	293W	296W	300W
Open Circuit Voltage (Voc)	45.7V	45.8V	45.9V	46.0V	46.1V
Short Circuit Current (Isc)	8.45A	8.52A	8.62A	8.71A	8.81A
Maximum Power Voltage (Vmp)	37.9V	38.1V	38.3V	38.5V	38.6V
Maximum Circuit Current (Imp)	7.52A	7.59A	7.65A	7.69A	7.77A
NMOT	45°C±2°C				

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

• Mechanical Characteristics

Solar Cells	Monocrystalline 158.75 × 79.375mm
No. of Cells	144 (6 × 24)
Dimensions	2008mm × 1002mm × 35mm
Weight	21.8kg
Front Glass	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68
Cable	4mm ² (UL/IEC) Length: 1200mm
Connectors	MC4 Compatible
Packaging Configuration	30pcs / box, 715pcs / 40'HQ Container

• Temperature Characteristics

Temperature Coefficient of Pmax	γ (Pm)	-0.355%/ °C
Temperature Coefficient of Voc	β (Voc)	-0.275%/ °C
Temperature Coefficient of Isc	α (Isc)	+0.065%/ °C

• Warranty

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

