

HT72-156M

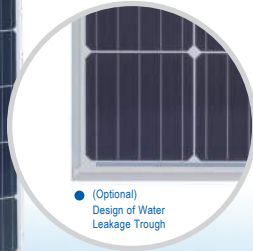
NEW

Big Size: Cell 158.75*158.75

380W / 385W / 390W
395W / 400W / 405W



- Module Efficiency: 20.4%
- No. of Cells: 72 (6 × 12)
- Weight: 22.5kg
- Dimensions: 1979mm×1002mm×40mm



● (Optional)
Design of Water
Leakage Trough

Monocrystalline
158.75 × 158.75mm



Shanghai Aerospace Automobile
Electromechanical Co., Ltd.
website: www.ht-saae.com
Factory :
Lianyungang ShenZhou New Energy Co., Ltd.



Designed for high voltage systems of up to 1000 VDC, increasing the string length of solar systems and saving on BoS costs



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



Microcrack resistant Triple EL tested of high quality control.



Design Load/Safety Factors:
2400 Pa / 1.5 (Wind)
2400 Pa / 1.5 (Snow)



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

Comprehensive and first-rate certification system

IEC61215: 2016, IEC61730: 2016 Latest Standard
ISO9001, ISO14001 and OHSAS18001,
meeting the highest international standards
Strict quality control

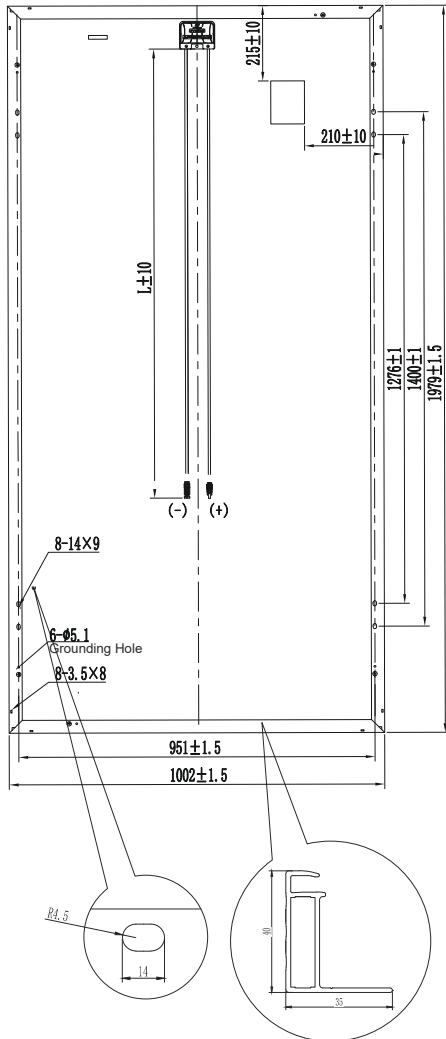


IEC 61215
IEC 61730
Regular Production
Surveillance
www.tuv.com

Made in China

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• Engineering Drawing



• Electrical Characteristics

Module	HT72-156M					
Maximum Power at STC(Pmax)	380W	385W	390W	395W	400W	405W
Open-Circuit Voltage(Voc)	48.3V	48.4V	48.5V	48.6V	48.7V	48.8V
Short-Circuit Current(Isc)	10.34A	10.47A	10.55A	10.67A	10.79A	10.91A
Optimum Operating Voltage (Vmp)	39.9V	40.1V	40.3A	40.5V	40.7V	40.9V
Optimum Operating Current(Imp)	9.53A	9.61A	9.68A	9.76A	9.84A	9.91A
Module Efficiency	19.2%	19.4%	19.7%	19.9%	20.2%	20.4%
Power Selection	0 ~ +5W					
Tolerance	Pmax:±3%;Voc:±5%;Isc:±5%					
Maximum System Voltage	1000V DC(IEC)					
Maximum Series Fuse Rating	15A					
Operating Temperature	-40 °C to +85 °C					
	*STC:Irradiance 1000W/m ² , module temperature 25, AM=1.5					
	Optional black frame or white frame module according to customer requirements					

• NMOT

Module	HT72-156M					
Maximum Power	281W	285W	289W	293W	296W	300W
Open Circuit Voltage (Voc)	45.6V	45.7V	45.8V	45.9V	46.0V	46.1V
Short Circuit Current (Isc)	8.35A	8.45A	8.52A	8.62A	8.71A	8.81A
Maximum Power Voltage (Vmp)	37.7V	37.9V	38.1V	38.3V	38.5V	38.6V
Maximum Circuit Current (Imp)	7.45A	7.52A	7.59A	7.65A	7.69A	7.77A
NMOT	45°C±2°C					
	*NMOT: Irradiance 800W/m ² , ambient temperature 20°C, wind speed 1 m/s					

• Mechanical Characteristics

Solar Cells	Monocrystalline 158.75 × 158.75mm
No.of Cells	72 (6 × 12)
Dimensions	1979mm×1002mm×40mm
Weight	22.5kg
Front Glass	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68
Cable	4mm ² (IEC)
Connectors	Refer to the information Box below
Packaging Configuration	27pcs / box, 594pcs / 40'HQ Container

• Temperature Characteristics

Temperature Coefficient of Pmax	-0.39%/K
Temperature Coefficient of Voc	-0.29%/K
Temperature Coefficient of 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

Connectors:

- 1 PV-HT002-1 Max. Voltage =1500V Max. Current =30A; Manufacturer: Shanghai Aerospace Automobile Electromechanical Co., Ltd.
- 2 PV-HT001-1 Max. Voltage =1500V Max. Current =30A; Manufacturer: Shanghai Aerospace Automobile Electromechanical Co., Ltd.
- 3 PV-KBT4/xy-UR PV-KST4/xy-UR Max. Voltage =1000V Max. Current =39A; Manufacturer: Multi-Contact AG Basel
- 4 PV-JM601 Max. Voltage =1000V Max. Current =30A; Manufacturer: Zhejiang Jiaming Tianhuyuan Photovoltaics Technology Co., Ltd.
- 5 PV-JM601A Max. Voltage =1000V Max. Current =30A; Manufacturer: Zhejiang Jiaming Tianhuyuan Photovoltaics Technology Co., Ltd.
- 6 PV-KST4/xy-UR;PV-KBT4/xy-UR Max. Voltage =1000V Max. Current =39A(4.0mm²); Manufacturer: Staubi Electrical Connectors AG
- 7 PV-KST4-EVO 2/XY_UR (male); PV-KBT4-EVO 2/XY_UR (female) Max. Voltage =1000V Max. Current =45A(4.0mm²); Manufacturer: Staubi Electrical Connectors AG
- 8 H4FC4DMS; H4CMC4DMS Max. Voltage =1000V Max. Current =35A; Manufacturer: Amphenol Technology (Shenzhen) Co., Ltd.
- 9 UTXCfabcde; UTXCMabcde Max. Voltage =1000V Max. Current =35A; Manufacturer: Amphenol Technology (Shenzhen) Co., Ltd.
- 10 TL-CABLE01S-F Max. Voltage =1000V Max. Current =30A; Manufacturer: Jiangsu Tonglin Electric Co., Ltd.
- 11 TL-CABLE01S-FR Max. Voltage =1000V Max. Current =30A; Manufacturer: Jiangsu Tonglin Electric Co., Ltd.
- 12 PV-JM608 Max. Voltage =1000V Max. Current =30A; Manufacturer: Zhejiang Jiaming Tianhuyuan Photovoltaics Technology Co., Ltd.
- 13 PV-JM608-1 Max. Voltage =1000V Max. Current =30A; Manufacturer: Zhejiang Jiaming Tianhuyuan Photovoltaics Technology Co., Ltd.
- 14 PV-JK03M-2 Max. Voltage =1500V Max. Current =30A; Manufacturer: Jiangxi Jinko PV Material Co., Ltd
- 15 PV-C002 Max. Voltage =1500V Max. Current =30A; Manufacturer: SUZHOU UKT NEWENERGYTECHNOLOGYCO.,LTD

• I-V Curves

Current-Voltage & Power-Voltage Curve

