

## HIGHWAY

# Half-Cut Module HT72-156M-C HT72-156M(V)-C 360W-385W

V means 1500V module



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



10ys Products Warranty



IEC 61215:2016  
IEC 61730:2016



25ys Warranty on power output



19.5%  
Module Efficiency



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



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



2% All the modules are sorted and packaged by amperage, reducing mismatch losses and maximizing system output.



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



ISO Strict quality control, meeting the highest international standards: ISO 9001, ISO14001



PID resistant



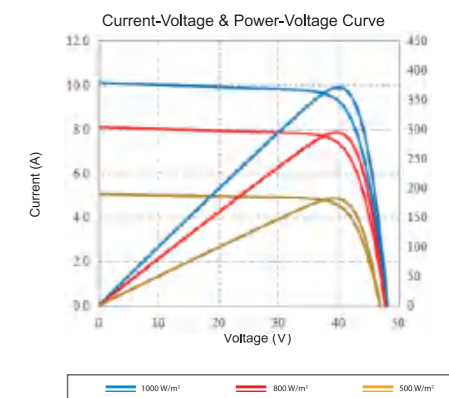
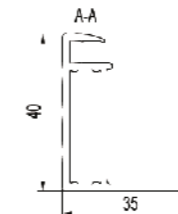
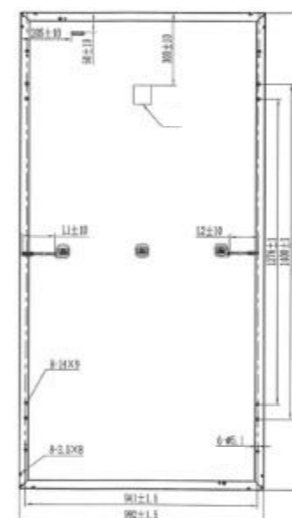
5W Positive tolerance 0~+5w guaranteed

### Comprehensive and first-rate certification system

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



## Engineering Drawing



I-V Curves

## Electrical Characteristics

Module	HT72-156M-C/HT72-156M(V)-C					
Maximum Power at STC(Pmax)	360W	365W	370W	375W	380W	385W
Open-Circuit Voltage(Voc)	47.8V	48.0V	48.2V	48.4V	48.6V	48.8V
Short-Circuit Current(Isc)	9.90A	9.99A	10.08A	10.17A	10.26A	10.35A
Optimum Operating Voltage (Vmp)	39.6V	39.8V	40.0V	40.2V	40.4V	40.6V
Optimum Operating Current(Imp)	9.10A	9.18A	9.26A	9.34A	9.42A	9.50A
Module Efficiency	18.3%	18.5%	18.8%	19.0%	19.3%	19.5%
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/m<sup>2</sup>, module temperature 25, AM=1.5  
Optional black frame or white frame module according to customer requirements

## NOCT

Module	HT72-156M-C/HT72-156M(V)-C					
Maximum Power	267W	270W	274W	278W	281W	285W
Open Circuit Voltage (Voc)	45.2V	45.4V	45.5V	45.7V	45.9V	46.1V
Short Circuit Current (Isc)	7.99A	8.07A	8.14A	8.21A	8.28A	8.36A
Maximum Power Voltage (Vmp)	37.4V	37.6V	37.8V	38.0V	38.2V	38.4V
Maximum Circuit Current (Imp)	7.14A	7.18A	7.25A	7.32A	7.36A	7.42A
NOCT	44 °C ± 2 °C					

NOCT: Irradiance 800W/m<sup>2</sup>, ambient temperature 20 °C, wind speed 1 m/s

## Mechanical Characteristics

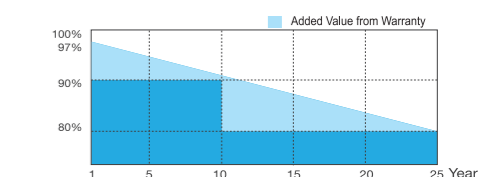
Solar Cells	Monocrystalline 156.75*78.375mm
No. of Cells	144 (6 × 24)
Dimensions	1987mm×992mm×40mm
Weight	23.0kg
Front Glass	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67
Cable	4mm <sup>2</sup> (IEC)
Packaging Configuration	26pcs/box, 572 pcs/40'HQ Container

## Temperature Characteristics

Temperature Coefficient of Pmax	$\gamma$ (Pm)	-0.39%/K
Temperature Coefficient of Voc	$\beta$ (Voc)	-0.29%/K
Temperature Coefficient of Isc	$\alpha$ (Isc)	0.049%/K

## Warranty

- 10ys 10-year product warranty
- 25ys 25-year warranty on power output



## Information Box

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