

# HIGHWAY DG

## Solar Module

# HT72-156M(PD) HT72-156M(PDV) 340W-360W

\* V means 1500V mod



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



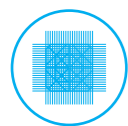
18.3%  
Module Efficiency



PID resistant



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



Double glass structure which enhance the reliability of anti-microcracks, reduce the snail tracks phenomenon



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



Products Warranty



TUV certification



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



Warranty on power output



Strict quality control, meeting the highest international standards: ISO 9001, ISO14001 and OHSAS18001



Positive tolerance 0/+5w guaranteed



### Electrical Characteristics

Module	HT72-156M(PD) / HT72-156M(PDV)				
Maximum Power at STC(Pmax)	340W	345W	350W	355W	360W
Open-Circuit Voltage(Voc)	46.8V	46.9V	47.1V	47.2V	47.4V
Short-Circuit Current(Isc)	9.39A	9.48A	9.57A	9.66A	9.75A
Optimum Operating Voltage (Vmp)	37.9V	38.3V	38.7V	39.1V	39.5V
Optimum Operating Current(Imp)	8.98A	9.01A	9.05A	9.08A	9.12A
Module Efficiency	17.3%	17.6%	17.8%	18.1%	18.3%
Power Tolerance	0 ~ +5W				
Maximum System Voltage	1000/1500V 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(PD) / HT72-156M(PDV)				
Maximum Power	251W	254W	258W	262W	266W
Open Circuit Voltage (Voc)	43.6V	43.7V	43.9V	44.0V	44.2V
Short Circuit Current (Isc)	7.59A	7.67A	7.74A	7.81A	7.89A
Maximum Power Voltage (Vmp)	35.3V	35.7V	36.0V	36.4V	36.8V
Maximum Circuit Current (Imp)	7.11A	7.14A	7.17A	7.19A	7.22A
NOCT	45°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 × 156.75mm	
No. of Cells	72 (6 × 12)	
Dimensions	1978mm×992mm×6.5mm(77.9×39.1×0.26inch)	
Weight	30.0kg	
Front Glass	High transmission tempered glass	
Frame	Anodized aluminium alloy	
Junction Box	IP67	
Cable	4mm <sup>2</sup> (IEC), 150mm(Postive), 250mm(Negative)	
Packaging Configuration	33pcs/box, 1518pcs/17.5m Trailer; 33pcs/box, 726pcs/40'HQ Container	

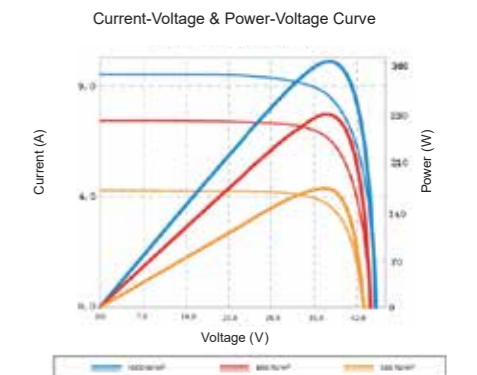
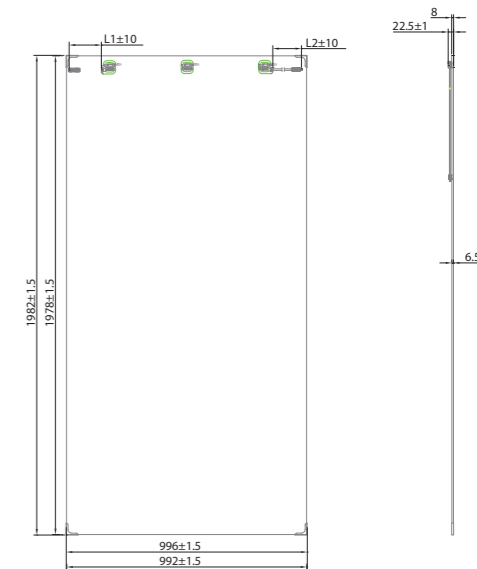
### Temperature Characteristics

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



I-V Curves

Shanghai Aerospace Automobile Electromechanical Co., Ltd.  
HT Solar Energy J.S.C.

Factory: Lianyungang ShenZhou New Energy Co., Ltd.  
HT Solar Energy J.S.C.