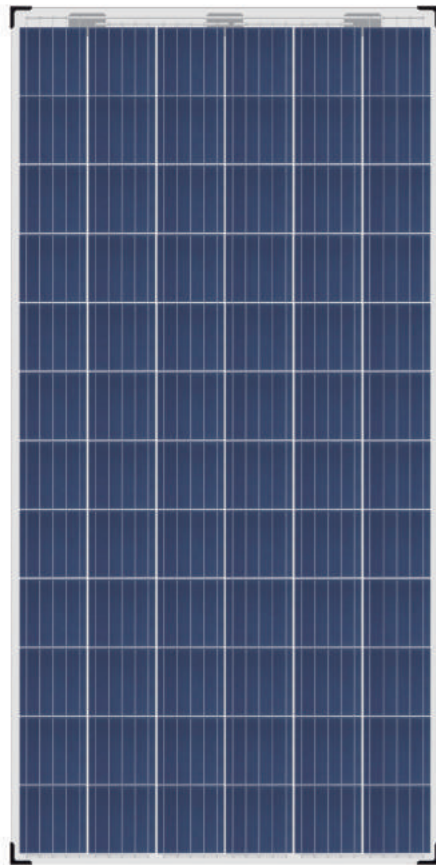


# HIGHWAY DG

## HT72-156P(PD) HT72-156P(PDV)

\* V means 1500V module

310W-340W



IEC 61215:2016  
IEC 61730:2016



Products Warranty



17.3%  
Module Efficiency



Warranty on power output



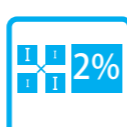
Advanced surface treatment, lower surface reflection and 5BB cell design can reduce the series resistance and improve the module efficiency



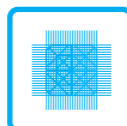
Microcrack resistant  
Double glass structure enhance reliability, triple EL tested of high quality control.



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.



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



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



PID resistant



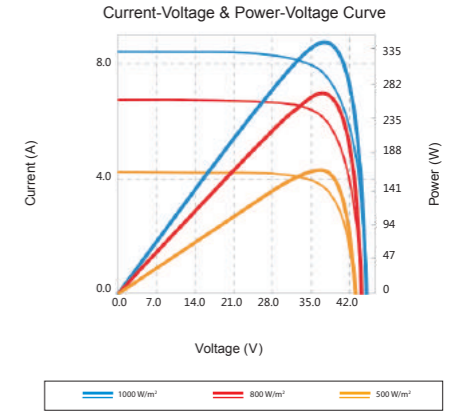
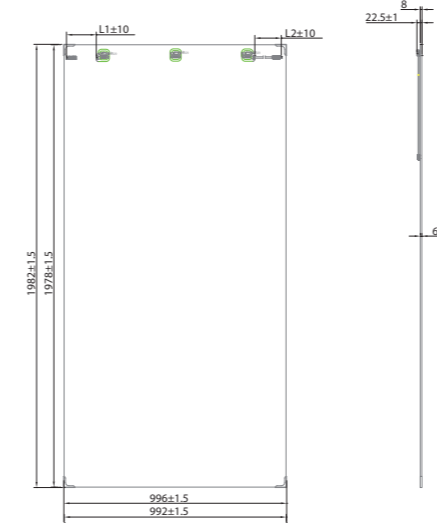
Positive tolerance 0~+5w guaranteed

### 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	HT72-156P(PD) / HT72-156P(PDV)						
	310W	315W	320W	325W	330W	335W	340W
Maximum Power at STC(Pmax)	310W	315W	320W	325W	330W	335W	340W
Open-Circuit Voltage(Voc)	44.6V	44.8V	45.0V	45.2V	46.3V	46.5V	46.6V
Short-Circuit Current(Isc)	9.08A	9.15A	9.22A	9.29A	9.27A	9.36A	9.45A
Optimum Operating Voltage (Vmp)	37.1V	37.5V	37.9V	38.3V	37.2V	37.5V	37.9V
Optimum Operating Current(Imp)	8.36A	8.41A	8.45A	8.50A	8.90A	8.94A	8.98A
Module Efficiency	15.8%	16.1%	16.3%	16.6%	16.8%	17.1%	17.3%
Power Tolerance	0 ~ +5W						
Maximum System Voltage	1000V/1500V DC(IEC)						
Maximum Series Fuse Rating	15A						
Operating Temperature	-40 °C to +85 °C						

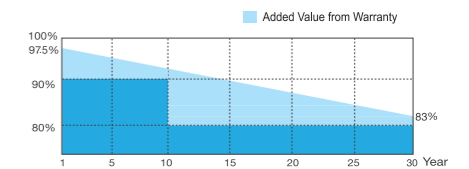
STC: Irradiance 1000W/m<sup>2</sup>, module temperature 25, AM=1.5  
Optional black frame or white frame module according to customer requirements

### Temperature Characteristics

Temperature Coefficient of Pmax	$\gamma$ (Pm)	-0.41%/K
Temperature Coefficient of Voc	$\beta$ (Voc)	-0.32%/K
Temperature Coefficient of Isc	$\alpha$ (Isc)	0.05%/K

### Warranty

- 10ys 10-year product warranty
- 30ys 30-year warranty on power output



### NOCT

Module	HT72-156P(PD) / HT72-156P(PDV)						
	229W	233W	237W	241W	244W	248W	252W
Maximum Power	229W	233W	237W	241W	244W	248W	252W
Open Circuit Voltage (Voc)	42.0V	42.2V	42.4V	42.6V	43.6V	43.8V	43.9V
Short Circuit Current (Isc)	7.33A	7.39A	7.44A	7.50A	7.48A	7.56A	7.63A
Maximum Power Voltage (Vmp)	34.9V	35.3V	35.7V	36.1V	35.0V	35.3V	35.7V
Maximum Circuit Current (Imp)	6.58A	6.61A	6.64A	6.66A	6.98A	7.03A	7.05A
NOCT	43°C ± 2 °C						

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

### Mechanical Characteristics

Solar Cells	Polycrystalline 156.75 × 156.75mm
No. of Cells	72 (6 × 12)
Dimensions	1978 × 992 × 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)
Packaging Configuration	33pcs/box, 660pcs/40'HQ Container

### Information Box

Shanghai Aerospace Automobile Electromechanical Co., Ltd.  
website: www.ht-saae.com

Factory: Lianyungang ShenZhou New Energy Co., Ltd.