

## HIGHWAY DG

HT60-156P(PD)  
HT60-156P(PD)-F  
HT60-156P(PDV)  
HT60-156P(PDV)-F  
255W-280W

\* V means 1500V module

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IEC 61215:2016  
IEC 61730:2016



Products Warranty



17.0%  
Module Efficiency



Warranty on power output



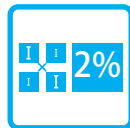
Advanced surface treatment, lower surface reflection and 5BB cell design can reduce the series resistance and improve the module efficiency



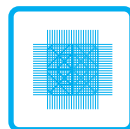
Microcrack resistant  
Double glass structure enhance reliability, triple EL tested of high quality control.



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



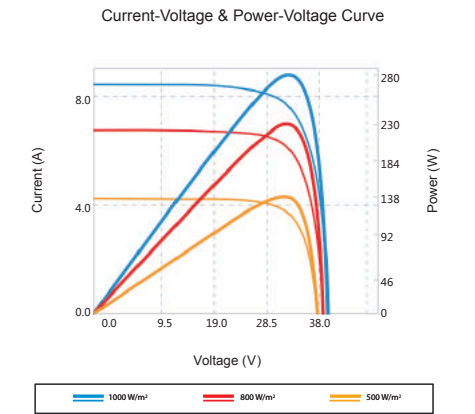
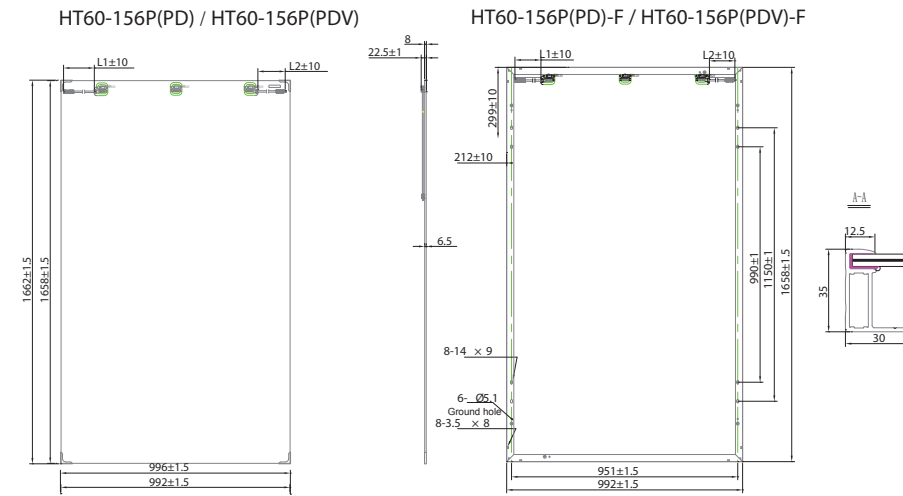
Positive tolerance 0~+5w guaranteed

### 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	HT60-156P(PD) / HT60-156P(PD)-F/HT60-156P(PDV) / HT60-156P(PDV)-F					
Maximum Power at STC(Pmax)	255W	260W	265W	270W	275W	280W
Open-Circuit Voltage(Voc)	37.0V	37.2V	37.4V	37.6V	38.7V	38.9V
Short-Circuit Current(Isc)	9.02A	9.09A	9.16A	9.23A	9.25A	9.33A
Optimum Operating Voltage (Vmp)	30.6V	31.0V	31.4V	31.8V	31.0V	31.4V
Optimum Operating Current(Imp)	8.34A	8.40A	8.46A	8.52A	8.89A	8.93A
Module Efficiency	15.5%	15.8%	16.1%	16.4%	16.7%	17.0%
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/m², module temperature 25, AM=1.5 Optional black frame or white frame module according to customer requirements						

### NOCT

Module	HT60-156P(PD) / HT60-156P(PD)-F/HT60-156P(PDV) / HT60-156P(PDV)-F					
Maximum Power	189W	192W	196W	200W	204W	207W
Open Circuit Voltage (Voc)	34.8V	35.0V	35.2V	35.4V	36.4V	36.6V
Short Circuit Current (Isc)	7.28A	7.34A	7.39A	7.45A	7.47A	7.53A
Maximum Power Voltage (Vmp)	28.8V	29.2V	29.6V	29.9V	29.2V	29.6V
Maximum Circuit Current (Imp)	6.55A	6.59A	6.63A	6.69A	6.97A	7.00A
NOCT	43°C ± 2 °C					
NOCT: Irradiance 800W/m², ambient temperature 20 °C, wind speed 1 m/s						

### Mechanical Characteristics

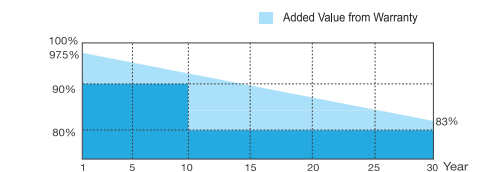
Solar Cells	Polycrystalline 156.75 × 156.75mm
No. of Cells	60 (6 × 10)
Dimensions	1658 × 992 × 6.5mm/1658 × 992 × 35mm
Weight	25kg/27kg(F)
Front Glass	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67
Cable	4mm² (IEC)
Packaging Configuration	40pcs/box, 858pcs/40'HQ Container 26pcs/box, 1560pcs/17.5m Trailer; 30pcs/box, 780pcs/40'HQ Container (F)

### Temperature Characteristics

Temperature Coefficient of Pmax	γ (Pm)	-0.41%/K
Temperature Coefficient of Voc	β (Voc)	-0.32%/K
Temperature Coefficient of Isc	α (Isc)	0.05%/K

### Warranty

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



### Information Box

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

Factory: Lianyungang ShenZhou New Energy Co., Ltd.