

HIGHWAY

HT72-156P

HT72-156P(V) * V means 1500V module

320W-340W

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
IEC 61215:2016
IEC 61730:2016

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

17.3% Module Efficiency

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

1000Pa
Certified to withstand dynamic mechanical load 1000 Pascal

P_{kw}
Higher module's output power

PID
PID resistant

NH₃
Ammonia corrosion resistant
Salt Mist Corrosion resistant

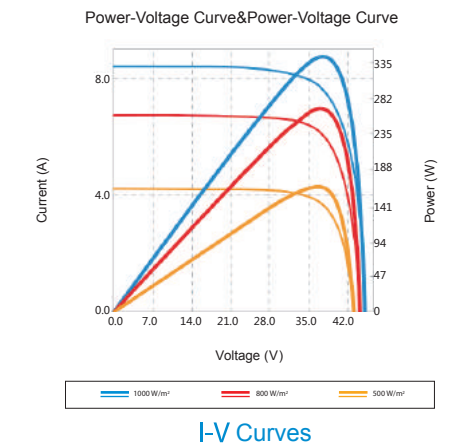
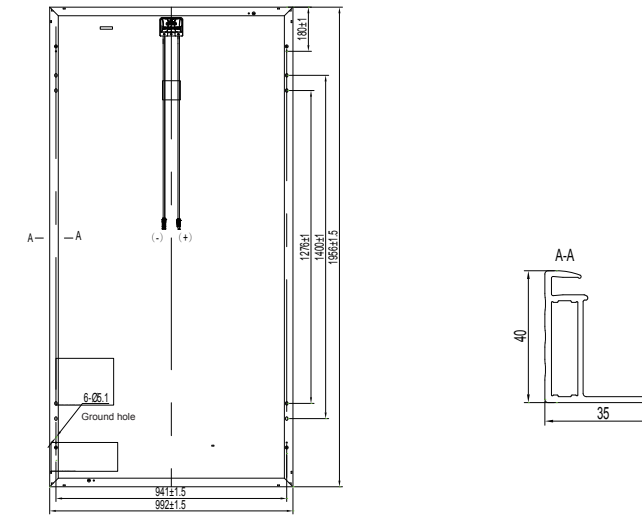
Microcrack resistant
Triple EL tested of high quality control.

Entire module certified to withstand extreme wind (2400 Pa) and snow loads (5400 Pa)

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

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

Engineering Drawing



Electrical Characteristics

Module	HT72-156P / HT72-156P(V)				
	320W	325W	330W	335W	340W
Maximum Power at STC(P _{max})	320W	325W	330W	335W	340W
Open-Circuit Voltage(V _{oc})	45.8V	46.0V	46.2V	46.4V	46.6V
Short-Circuit Current(I _{sc})	9.20A	9.30A	9.40A	9.52A	9.62A
Optimum Operating Voltage (V _{mp})	37.0V	37.3V	37.6V	37.9V	38.2V
Optimum Operating Current(I _{mp})	8.66A	8.73A	8.79A	8.86A	8.92A
Module Efficiency	16.5%	16.7%	17.0%	17.3%	17.5%
Power Tolerance	0 ~ +5W				
Maximum System Voltage	1000V/1500V DC(IEC)				
Maximum Series Fuse Rating	15A				
Operating Temperature	-40 °C to +85 °C				

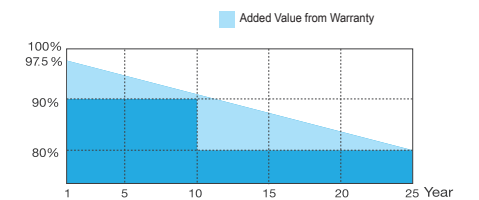
STC: Irradiance 1000W/m², module temperature 25, AM=1.5
Optional black frame or white frame module according to customer requirements

Temperature Characteristics

Temperature Coefficient of P _{max}	γ (P _m)	-0.41%/K
Temperature Coefficient of V _{oc}	β (V _{oc})	-0.32%/K
Temperature Coefficient of I _{sc}	α (I _{sc})	0.05%/K

Warranty

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



NOCT

Module	HT72-156P / HT72-156P(V)				
	236W	240W	243W	247W	251W
Maximum Power	236W	240W	243W	247W	251W
Open Circuit Voltage (V _{oc})	43.0V	43.2V	43.4V	43.6V	43.8V
Short Circuit Current (I _{sc})	7.43A	7.51A	7.59A	7.69A	7.77A
Maximum Power Voltage (V _{mp})	34.8V	35.0V	35.3V	35.6V	35.9V
Maximum Circuit Current (I _{mp})	6.79A	6.84A	6.89A	6.94A	6.99A

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	72 (6 × 12)
Dimensions	1956 × 992 × 40mm (77.0 × 39.1 × 1.6in)
Weight	22.5kg (49.6lbs)
Front Glass	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67
Cable	4mm ² (IEC)
Connectors	MC4/MC4 Compatible
Packaging Configuration	26pcs/box, 572pcs/40'HQ Container

Information Box

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

Factory: Lianyungang ShenZhou New Energy Co., Ltd.