

HIGHWAY

Solar Module

HT60-156M HT60-156M(V) 300W (PERC)

* V means 1500V module



Black Module

- Advanced surface treatment, less surface reflection and 5BB cell design can reduce the series resistance and improve the module efficiency
- 18.4% Module Efficiency
- Designed for high voltage systems of up to 1500 VDC, increasing the string length of solar systems and saving on BoS costs
- TUV certification
- Higher module's output power
- Certified to withstand dynamic mechanical load 1000 Pascal
- HT-SAAE guarantees highest production standards: IEC 61215, IEC 61730, IEC 62716 (Ammonia corrosion) & IEC 61701 (Salt Mist Corrosion)
- PID resistant
- Microcrack resistant Triple EL tested of high quality control.
- All the modules are sorted and packaged by amperage, reducing mismatch losses and maximizing system output.
- 10Ys Products Warranty
- 25Ys Warranty on power output
- Strict quality control, meeting the highest international standards: ISO 9001, ISO14001 and OHSAS18001
- 5W Positive tolerance 0/+5w guaranteed
- Entire module certified to withstand extreme wind (2400 Pa) and snow loads (5400 Pa)



Electrical Characteristics

Module	HT60-156M / HT60-156M(V)	
Maximum Power at STC(Pmax)	300W	
Open-Circuit Voltage(Voc)	39.9	
Short-Circuit Current(Isc)	9.71	
Optimum Operating Voltage (Vmp)	32.8V	
Optimum Operating Current(Imp)	9.16A	
Module Efficiency	18.4%	
Power Tolerance	0 ~ +5W	
Maximum System Voltage	1000V/1500V DC	
Maximum Series Fuse Rating	15A	
Operating Temperature	-40 °C to +85 °C	
STC: Irradiance 1000W/m ² , module temperature 25, AM=1.5		
Optional black frame or white frame module according to customer requirements		

NOCT

Module	HT60-156M / HT60-156M(V)	
Maximum Power	221W	
Open Circuit Voltage (Voc)	22.1V	
Short Circuit Current (Isc)	3.72V	
Maximum Power Voltage (Vmp)	7.84A	
Maximum Circuit Current (Imp)	30.5V	
NOCT	7.24A 45 °C ± 2 °C	
NOCT: Irradiance 800W/m ² , ambient temperature 20 °C, wind speed 1 m/s		

Mechanical Characteristics

Solar Cells	Monocrystalline 156.75 x 156.75mm	
No. of Cells	60 (6 x 10)	
Dimensions	1640mm x 992mm x 35mm (64.6 x 39 x 1.4in)	
Weight	18.5kg (40.8lbs)	
Front Glass	High transmission tempered glass	
Frame	Anodized aluminium alloy	
Junction Box	IP67	
Cable	4mm ² (IEC), 900mm	
Connectors	MC4/MC4 Compatible	
Packaging Configuration	30pcs/box, 910pcs/40'HQ Container	

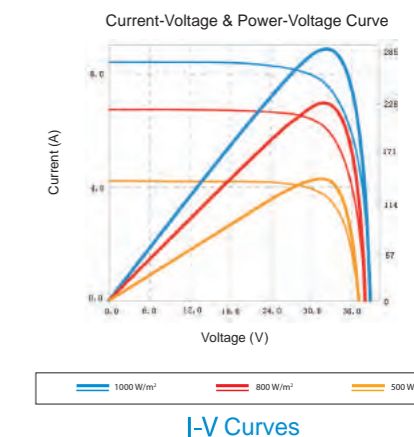
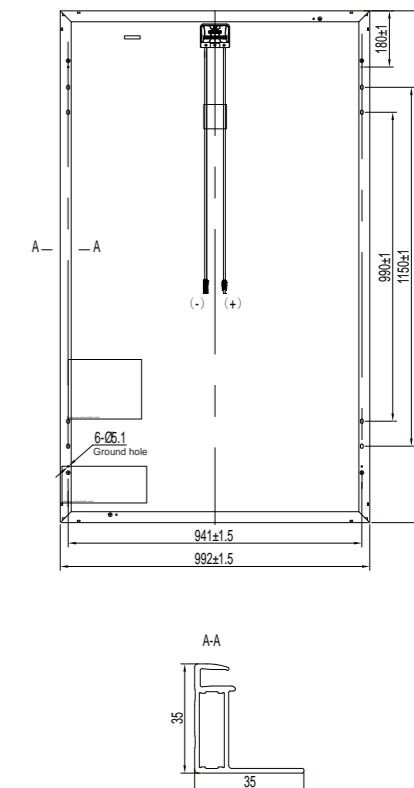
Temperature Characteristics

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



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.