

## HIGHWAY

Solar Module

# HT60-156P

-260W/265W/270W/275W



TUV certification



Higher module's output power



HT-SAAE guarantees highest production standards: IEC 61215, IEC 61730, IEC 62716 (Ammonia corrosion) & IEC 61701 (Salt Mist Corrosion)



PID (potential induced degradation) Resistant



All HT modules are double EL tested avoiding invisible cracks, dark cells and broken bars to ensure the performance, quality and reliability.



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



Products Warranty



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	HT60-156P			
Maximum Power at STC(Pmax)	260W	265W	270W	275W
Open-Circuit Voltage(Voc)	37.6V	37.8V	38.0V	38.2V
Optimum Operating Voltage (Vmp)	31.3V	31.7V	32.1V	32.5V
Short-Circuit Current(Isc)	8.97A	9.04A	9.11A	9.18A
Optimum Operating Current(Imp)	8.32A	8.37A	8.42A	8.47A
Module Efficiency	16.0%	16.3%	16.6%	16.9%
Power Tolerance	0 ~ +5W			
Maximum System Voltage	1000V/1500V DC (IEC) / 600V DC(UL)			
Maximum Series Fuse Rating	15A			
Operating Temperature	-40 ℃ to +85 ℃			
STC:Irradiance 1000W/m², module temperature 25, AM=1.5				
Optional black frame or white frame module according to customer requirements				

## NOCT

Module				
Maximum Power	190W	194W	198W	201W
Open Circuit Voltage (V <sub>oc</sub> )	34.1V	34.3V	34.5V	34.7V
Maximum Power Voltage (V <sub>mp</sub> )	28.3V	28.6V	29.0V	29.3V
Short Circuit Current (I <sub>sc</sub> )	7.24A	7.30A	7.36A	7.42A
Maximum Circuit Current (I <sub>mp</sub> )	6.72A	6.76A	6.81A	6.87A
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	Polycrystalline 156 × 156mm
No. of Cells	60 (6 × 10)
Dimensions	1640mm×992mm×35mm(64.6×39×1.4in)
Weight	18.5kg(40.8lbs)
Front Glass	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67
Cable	4mm <sup>2</sup> (IEC) , 900mm
Connectors	MC4/MC4 Comparable
Module Pieces per Container (40' High Cube Container)	784pcs

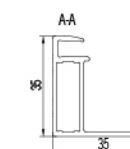
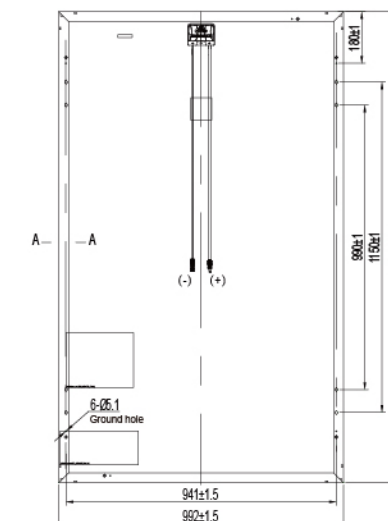
## Temperature Characteristics

Temperature Coefficient of P <sub>max</sub>	γ (P <sub>m</sub> )	-0.41%/K
Temperature Coefficient of V <sub>oc</sub>	β (V <sub>oc</sub> )	-0.34%/K
Temperature Coefficient of I <sub>sc</sub>	α (I <sub>sc</sub> )	0.049%/K

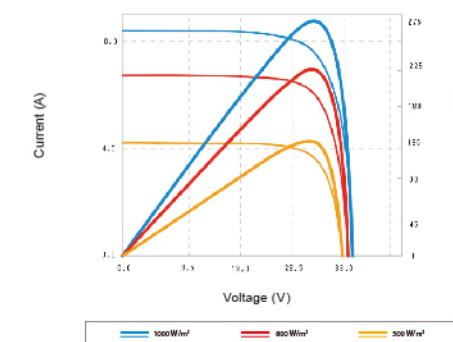
## Warranty

10-year product warranty	
25-year warranty on power output	
Specific information is referred to the product quality guarantee	

## Information Box



Current-Voltage & Power-Voltage Curve



I-V Curves

Shanghai Aerospace Automobile Electromechanical Co., Ltd.  
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Factory : Lianyungang ShenZhou New Energy Co., Ltd.