

HIGHWAY

Solar Module

HT72-156P

-310W/315W/320W/325W/330W



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



Guaranteed positive tolerance 0/+5w ensures power output reliability



Electrical Characteristics

Module	HT72-156P				
Maximum Power at STC(Pmax)	310W	315W	320W	325W	330W
Open-Circuit Voltage(Voc)	45.2V	45.4V	45.6V	45.8V	46.1V
Optimum Operating Voltage (Vmp)	37.4V	37.8V	38.2V	38.6V	38.5V
Short-Circuit Current(Isc)	8.98A	9.05A	9.12A	9.19A	9.12A
Optimum Operating Current(Imp)	8.29A	8.34A	8.39A	8.44A	8.58A
Module Efficiency	16.0%	16.2%	16.5%	16.7%	17.0%
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	HT72-156P				
Maximum Power	227W	231W	235W	239W	242W
Open Circuit Voltage (Voc)	41.0V	41.2V	41.4V	41.6V	42.0V
Maximum Power Voltage (Vmp)	33.9V	34.3V	34.7V	35.1V	35.0V
Short Circuit Current (Isc)	7.25A	7.31A	7.37A	7.42A	7.37A
Maximum Circuit Current (Imp)	6.70A	6.74A	6.78A	6.82A	6.93A
NOCT	45 °C ± 2 °C				
NOCT: Irradiance 800W/m², ambient temperature 20 °C, wind speed 1 m/s					

Mechanical Characteristics

Solar Cells	Polycrystalline 156 × 156mm	
No. of Cells	72 (6 × 12)	
Dimensions	1956mm×992mm×50/40mm(77.0in×39.1in×2.0/1.6in)	
Weight	27.0kg (59.5 lbs) / 23kg (50.7lbs)	
Front Glass	High transmission tempered glass	
Frame	Anodized aluminium alloy	
Junction Box	IP67 3 diodes	
Cable	4mm ² (IEC)/12AWG(UL), 1000mm	
Connectors	MC4/MC4 Comparable	
Module Pieces per Container (40' High Cube Container)	40mm: 440pcs	35mm: 550pcs

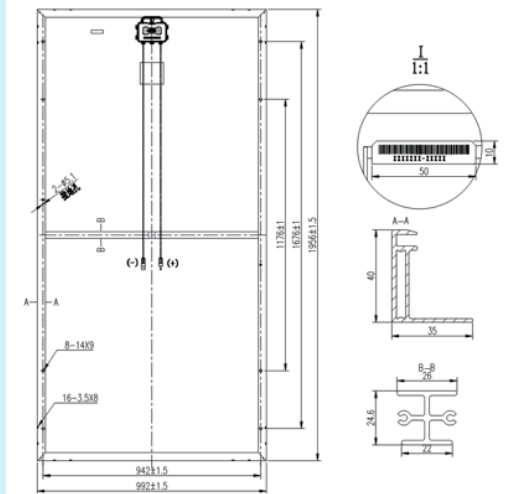
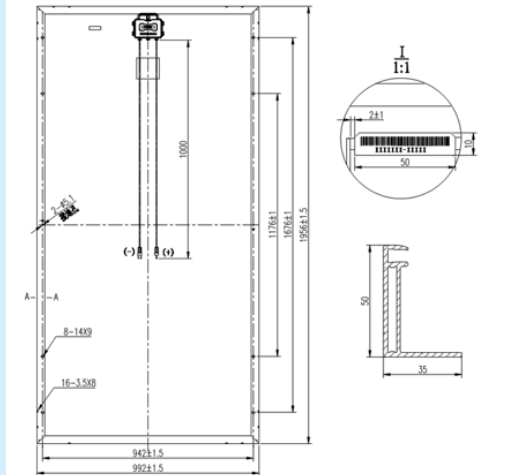
Temperature Characteristics

Temperature Coefficient of P _{max}	γ (P _m)	-0.41%/K
Temperature Coefficient of V _{oc}	β (V _{oc})	-0.34%/K
Temperature Coefficient of I _{sc}	α (I _{sc})	0.049%/K

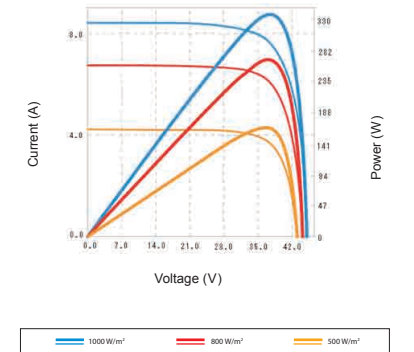
Warranty

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

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Factory : Lianyungang ShenZhou New Energy Co., Ltd.