

HIGHWAY

Solar Module

HT60-156P

-265W/270W/275W/280W



Key Features

Cell Efficiency **18.2 %** Power Output **265 W** Warranty on Materials and Workmanship **10 YEARS** Warranty on Power Output **25 YEARS**



TUV certification



Higher module's output power



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



HT-SAE guarantees highest production standards: IEC 61215, IEC 61730



Warranty on power output



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



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



Products Warranty



5 Busbars

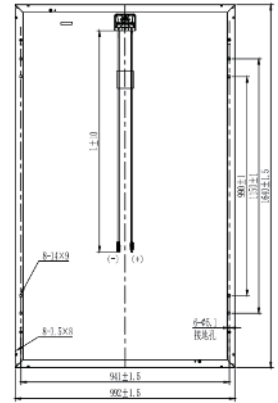


Electrical Characteristics

| Module | HT60-156P | | | |
|---------------------------------|------------------------------------|-------|-------|-------|
| Maximum Power at STC(Pmax) | 265W | 270W | 275W | 280W |
| Open-Circuit Voltage(Voc) | 37.6V | 37.9V | 38.2V | 38.5V |
| Optimum Operating Voltage (Vmp) | 30.5V | 30.8V | 31.0V | 31.2V |
| Short-Circuit Current(Isc) | 9.28A | 9.38A | 9.47A | 9.56A |
| Optimum Operating Current(Imp) | 8.70A | 8.78A | 8.88A | 8.98A |
| Module Efficiency | 16.0% | 16.3% | 16.6% | 16.9% |
| Power Tolerance | ± 3 % | | | |
| Maximum System Voltage | 1000V/1500V DC (IEC) / 600V DC(UL) | | | |
| Maximum Series Fuse Rating | 15A | | | |
| Operating Temperature | -40 °C to + 85 °C | | | |

STC:Irradiance 1000W/m², module temperature 25, AM=1.5

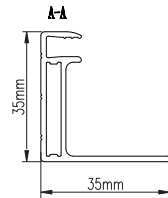
Optional black frame or white frame module according to customer requirements



NOCT

| Module | | | | |
|-------------------------------|--------------|--------|--------|--------|
| Maximum Power | 194.0W | 197.6W | 201.3W | 204.9W |
| Open Circuit Voltage (Voc) | 35.3V | 35.5V | 35.8V | 36.1V |
| Maximum Power Voltage (Vmp) | 28.6V | 28.9V | 29.1V | 29.3V |
| Short Circuit Current (Isc) | 7.50A | 7.58A | 7.66A | 7.73A |
| Maximum Circuit Current (Imp) | 6.78A | 6.84A | 6.92A | 7.00A |
| 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 | 60 (6 × 10) |
| Dimensions | 1640mm×992mm×40/35mm(64.6×39×1.6/1.4in) |
| Weight | 19.0kg(41.9lbs) |
| Front Glass | ARC tempered glass |
| Frame | Anodized, white |
| Junction Box | IP67 3 diodes |
| Cable | 4mm ² (IEC) /12AWG (UL), 900mm |
| Connectors | PV-HT002-1 |
| Module Pieces per Container (40' High Cube Container) | 784pcs |

Temperature Characteristics

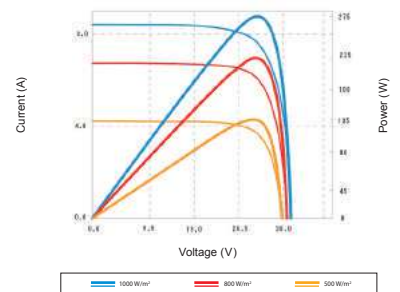
| | | |
|---------------------------------|---------|------------|
| Temperature Coefficient of Pmax | γ (Pm) | -0.4255%/K |
| Temperature Coefficient of Voc | β (Voc) | -0.3102%/K |
| Temperature Coefficient of Isc | α (Isc) | 0.0533%/K |

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.
website: www.ht-saae.com
Email: pvmarketing@ht-saae.com

Factory : Lianyungang ShenZhou
New Energy Co., Ltd.