



Reliable State-owned Enterprise Deliver Solar Power since 1960s



HIGHWAY

Solar Module

HT60-156P

HT60-156P(V)

265W-280W

* V means 1500V module



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

17.2% 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

P_{kW} Higher module's output power

Certified to withstand dynamic mechanical load 1000 Pascal

IEC HT-SAAE guarantees highest production standards: IEC 61215, IEC 61730, IEC 62716(Ammonia corrosion) & IEC 617101 (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

ISO 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 | HT60-156P / HT60-156P (V) | | | |
|---------------------------------|---------------------------|-------|-------|-------|
| Maximum Power at STC(Pmax) | 265W | 270W | 275W | 280W |
| Open-Circuit Voltage(Voc) | 37.8V | 38V | 38.2V | 38.4V |
| Short-Circuit Current(Isc) | 9.04A | 9.11A | 9.18A | 9.25A |
| Optimum Operating Voltage (Vmp) | 31.7V | 32.1V | 32.5V | 32.9V |
| Optimum Operating Current(Im) | 8.37A | 8.42A | 8.47A | 8.52A |
| Module Efficiency | 16.3% | 16.6% | 16.9% | 17.2% |
| 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

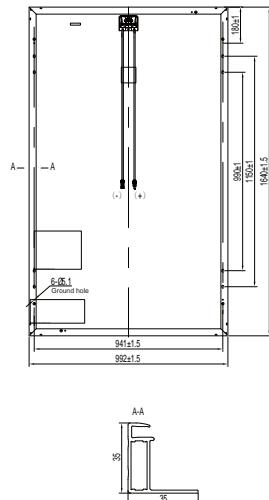
NOCT

| Module | HT60-156P / HT60-156P (V) | | | |
|------------------------------|---------------------------|-------|-------|-------|
| Maximum Power | 195W | 198W | 202W | 206W |
| Open Circuit Voltage (Voc) | 35.0V | 35.2V | 35.4V | 35.6V |
| Short Circuit Current (Isc) | 7.30A | 7.36A | 7.42A | 7.47A |
| Maximum Power Voltage (Vmp) | 29.3V | 29.7V | 30.1V | 30.4V |
| Maximum Circuit Current (Im) | 6.64A | 6.68A | 6.72A | 6.75A |
| NOCT | 45 °C ± 2 °C | | | |

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 | 60 (6 × 10) | | |
| Dimensions | 1640mm×992mm×35mm(64.6x39x1.4in) | | |
| 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, 840pcs/40HQ Container | | |



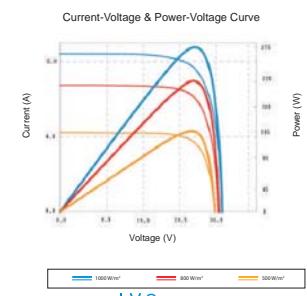
Temperature Characteristics

| | | |
|---------------------------------|---------|---------|
| Temperature Coefficient of Pmax | γ (Pm) | -0.41%K |
| Temperature Coefficient of Voc | β (Voc) | -0.32%K |
| Temperature Coefficient of Isc | α (Isc) | 0.050%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.
website: www.ht-saae.com

Factory: Lianyungang ShenZhou New Energy Co., Ltd.