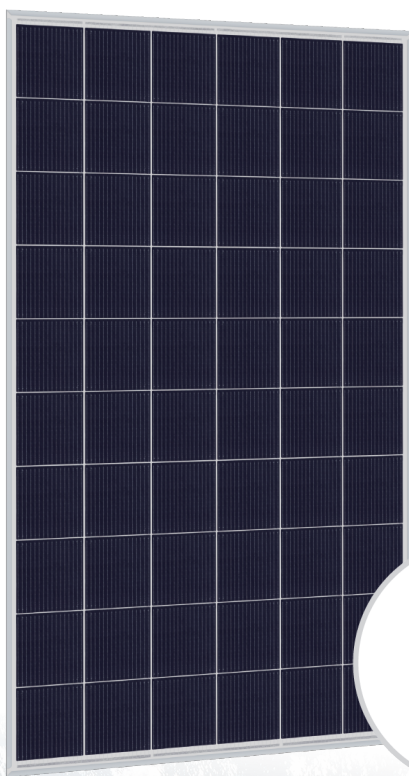


* V means 1500V module

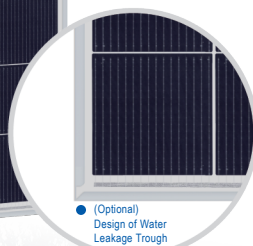
HT60-156P-M
HT60-156P(V)-M

POWER OUTPUT

295W / 300W
305W / 310W / 315W



- Module Efficiency: 19.36%
- No. of Cells: 60 (6 × 10)
- Weight: 18.5kg
- Dimensions: 1640mm×992mm×35mm



Polycrystalline
156.75 × 156.75mm



Shanghai Aerospace Automobile
Electromechanical Co., Ltd.
website: www.ht-saae.com

Factory :
Lianyungang ShenZhou New Energy Co., Ltd.
Turkey HT Solar Energy Joint Stock Company

10Ys

**Products
Warranty**

25Ys

**Warranty on
power output**

PID
PID Resistant

EL
**Microcrack
resistant**
**Double glass
structure enhance
reliability, triple EL
tested of high
quality control.**

**Entire module
certified to with
stand extreme wind
(2400 Pa) and snow
loads (5400 Pa)**

**MBB The optimized
number and width of
main gate lines,
Maximize the light
receiving area of
components and
Reduce component
power consumption**

**Designed for high
voltage systems of up
to 1500 VDC, increas-
ing the string length
of solar systems and
saving on BoS costs**

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

5W
**Positive tolerance
0/+5w guaranteed**

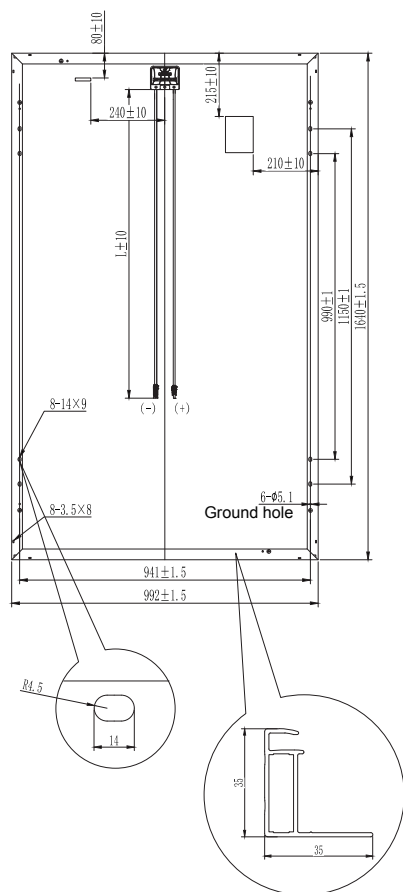
**Comprehensive and first-rate
certification system**

IEC61215: 2016, IEC61730: 2016 Latest Standard
ISO9001, ISO14001 and OHSAS18001,
meeting the highest international standards
Strict quality control



IEC 61215
IEC 61730
Regular Production
Surveillance
www.tuv.com

Engineering Drawing



Electrical Characteristics

| Module | HT60-156P-M / HT60-156P(V)-M | | | | |
|---------------------------------|------------------------------|--------|--------|--------|--------|
| Maximum Power at STC(Pmax) | 295W | 300W | 305W | 310W | 315W |
| Open-Circuit Voltage(Voc) | 38.9V | 39.1V | 39.3V | 39.5V | 39.7V |
| Short-Circuit Current(Isc) | 9.98A | 10.09A | 10.2A | 10.32A | 10.43A |
| Optimum Operating Voltage (Vmp) | 31.7V | 31.9V | 32.1V | 32.3V | 32.5V |
| Optimum Operating Current(Imp) | 9.32A | 9.42A | 9.51A | 9.6A | 9.7A |
| Module Efficiency | 18.13% | 18.44% | 18.75% | 19.05% | 19.36% |
| 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-M / HT60-156P(V)-M | | | | |
|-------------------------------|------------------------------|-------|-------|-------|-------|
| Maximum Power | 218W | 221W | 225 | 229 | 232W |
| Open Circuit Voltage (Voc) | 36.5V | 36.7V | 36.9V | 37.1V | 37.3V |
| Short Circuit Current (Isc) | 8.06A | 8.15A | 8.24A | 8.33A | 8.42A |
| Maximum Power Voltage (Vmp) | 29.8V | 30V | 30.1V | 30.3V | 30.5V |
| Maximum Circuit Current (Imp) | 7.32A | 7.37A | 7.48A | 7.56A | 7.61A |
| NOCT | 45°C±2°C | | | | |

*NOCT: Irradiance 800W/m², ambient temperature 20 °C, wind speed 1 m/s

Mechanical Characteristics

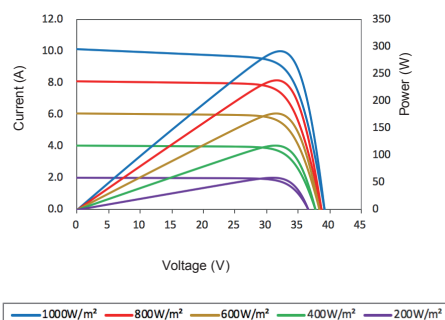
| | |
|-------------------------|---------------------------------------|
| Solar Cells | Polycrystalline 156.75 × 156.75mm |
| No. of Cells | 60 (6 × 10) |
| Dimensions | 1640mm×992mm×35mm |
| Weight | 18.5kg |
| Front Glass | High transmission tempered glass |
| Frame | Anodized aluminium alloy |
| Junction Box | IP67 |
| Cable | 4mm ² (IEC) |
| Connectors | MC4 / MC4 Compatible |
| Packaging Configuration | 30pcs / box, 840pcs / 40'HQ 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 |

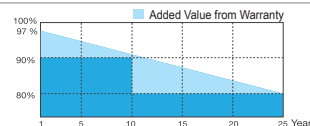
I-V Curves

Current-Voltage & Power-Voltage Curve



Warranty

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



Information Box