

* V means 1500V module

HT60-156P
HT60-156P(V)

POWER OUTPUT

270W / 275W
280W / 285W / 290W



- Module Efficiency: 17.83%
- No. of Cells: 60 (6 × 10)
- Weight: 18.5kg
- Dimensions: 1640mm×992mm×35mm



● (Optional)
Design of Water
Leakage Trough

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

PID
PID Resistant



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



Advanced surface
treatment, lower
surface reflection and
5BB cell design can
reduce the series
resistance and
improve the module
efficiency

1000Pa

Certified to
withstand dynamic
mechanical load
1000 Pascal



Microcrack resistant
Triple EL tested of
high quality control.



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



Ammonia / Salt Mist
Corrosion resistant

2%

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

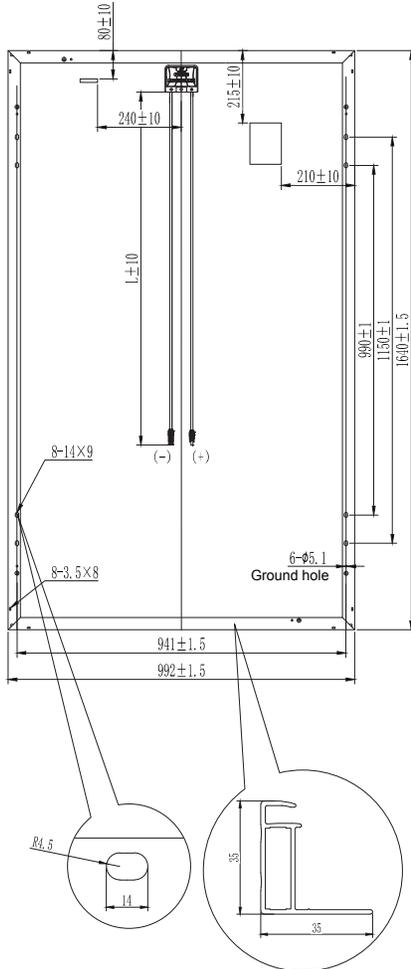
Comprehensive and first-rate
certification system

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 / HT60-156P(V)				
Maximum Power at STC(Pmax)	270W	275W	280W	285W	290W
Open-Circuit Voltage(Voc)	38V	38.2V	38.4V	39.2V	39.4V
Short-Circuit Current(Isc)	9.11A	9.18A	9.25A	9.42A	9.49A
Optimum Operating Voltage (Vmp)	32.1V	32.5V	32.9V	32.4V	32.8V
Optimum Operating Current(Imp)	8.42A	8.47A	8.52A	8.81A	8.86A
Module Efficiency	16.6%	16.9%	17.21%	17.52%	17.83%
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	198W	202W	205W	209W	213W
Open Circuit Voltage (Voc)	35.2V	35.4V	35.6V	36.3V	36.5V
Short Circuit Current (Isc)	7.36A	7.42A	7.47A	7.61A	7.67A
Maximum Power Voltage (Vmp)	29.7V	30.1V	30.4V	30.0V	30.4V
Maximum Circuit Current (Imp)	6.68A	6.72A	6.75A	6.98A	7.02A
NOCT	45°C ± 2°C				

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

Mechanical Characteristics

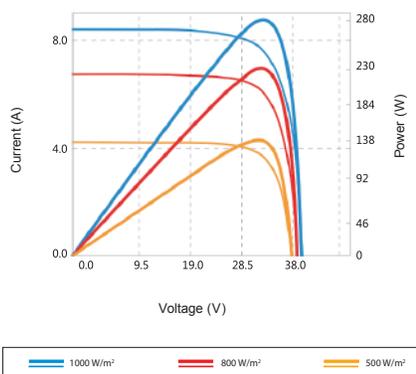
Solar Cells	Polycrystalline 156.75 × 156.75mm
No. of Cells	60 (6 × 10)
Dimensions	1640mm × 992mm × 35mm
Weight	18.5kg
Front Glass	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67
Cable	4mm ² (IEC)
Connectors	MC+ / MC- Compatible
Packaging Configuration	30pcs / box, 840pcs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

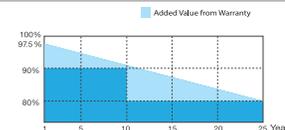
I-V Curves

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