

HIGHWAY

HT60-156M

HT60-156M(V)

* V means 1500V module

295W-315W

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

IEC 61215:2016
IEC 61730:2016



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



19.4%
Module Efficiency



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



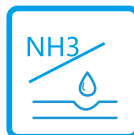
Certified to withstand dynamic mechanical load 1000 Pascal



Higher module's output power

PID

PID resistant



Ammonia corrosion resistant
Salt Mist Corrosion resistant



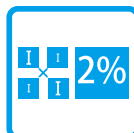
Microcrack resistant
Triple EL tested of high quality control.



Entire module certified to withstand extreme wind (2400 Pa) and snow loads (5400 Pa)

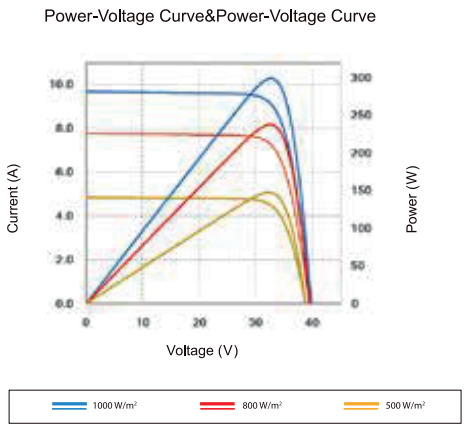
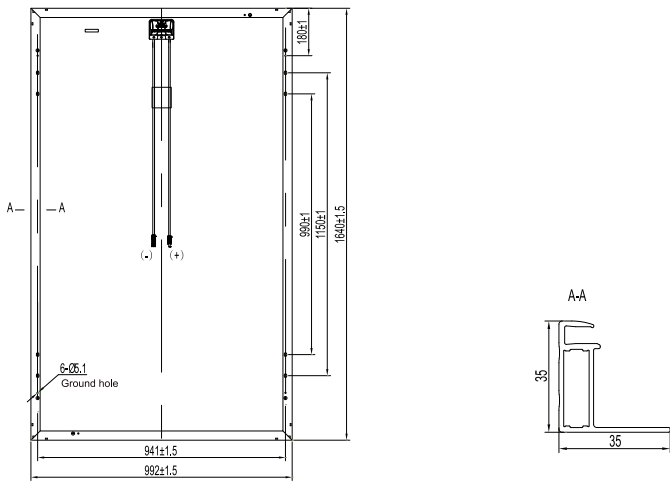
ISO

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



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





I-V Curves

Electrical CharateristRICTS

Module	HT60-156M / HT60-156M(V)				
Maximum Power at STC(Pmax)	295W	300W	305W	310W	315W
Open-Circuit Voltage(Voc)	39.7V	39.9V	40.1V	40.3V	40.5V
Short-Circuit Current(Isc)	9.64A	9.71A	9.78A	9.85A	9.92A
Optimum Operating Voltage (Vmp)	32.4V	32.8V	33.2V	33.6V	34.0V
Optimum Operating Current(Impp)	9.12A	9.16A	9.21A	9.25A	9.29A
Module Efficiency	18.1%	18.4%	18.8%	19.1%	19.4%
Power Tolerance	0 ~ +5W				
Maximum System Voltage	1000V/1500V DC(IEC)				
Maximum Series Fuse Rating	15A				
Operating Temperature	-40 °C to +85 °C				

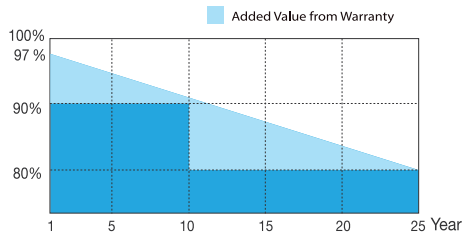
STC:Irradiance 1000W/m², module temperature 25, AM=1.5
Optional black frame or white frame module according to customer requirements

Temperature Characteristics

Temperature Coefficient of Pmax	γ (Pm)	-0.39%/K
Temperature Coefficient of Voc	β (Voc)	-0.29%/K
Temperature Coefficient of Isc	α (Isc)	0.049%/K

Warranty

- 10ys 10-year product warranty
- 25ys 25-year warranty on power output



NOCT

Module	HT60-156M / HT60-156M(V)				
Maximum Power	218W	221W	225W	229W	232W
Open Circuit Voltage (Voc)	37.0V	37.2V	37.4V	37.6V	37.8V
Short Circuit Current (Isc)	7.79A	7.84A	7.90A	7.96A	8.01A
Maximum Power Voltage (Vmp)	30.2V	30.5V	30.9V	31.3V	31.7V
Maximum Circuit Current (Impp)	7.21A	7.24A	7.27A	7.31A	7.33A
NOCT	44 °C ± 2 °C				

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

Mechanical Characteristics

Solar Cells	Monocrystalline 156.75 × 156.75mm
No.of Cells	60 (6 × 10)
Dimensions	1640 × 992 × 35mm (64.6 × 39 × 1.4in)
Weight	18.5kg (40.8lbs)
Front Glass	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67
Module	4mm ² (IEC)
Connectors	MC4/MC4 Compatible
Packaging Configuration	30pcs/box, 910pcs/40'HQ Container