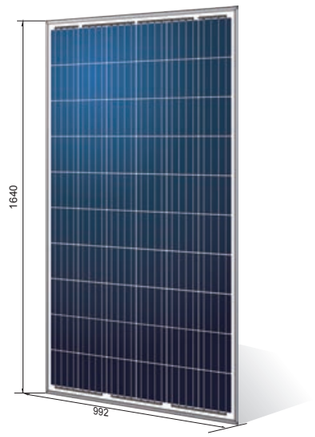
HIGHWAY Solar Module
HT60-156P-4BB-255W/260W/265W

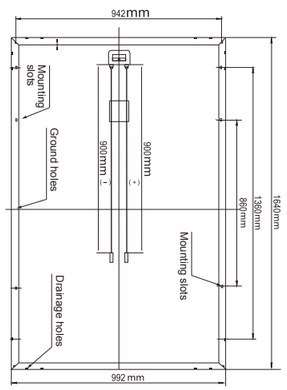
Reliable State-owned Enterprise
Deliver Solar Power since 1960s

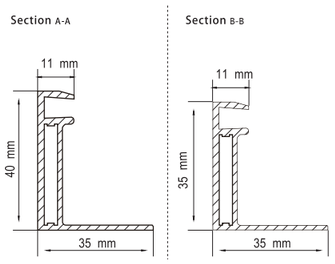
HT-SAAE
Shanghai Aerospace Automobile Electromechanical Co., Ltd

Key Features

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







- Shorter current transmission path
- Higher module's output power
- Less SOLAR CELL'S series resistance
- Guranteed positive tolerance 0/+5w ensures power output reliability
- PID (potential induced degradation) Resistant
- Excellent performance under low light environments (mornings, evenings and cloudy days)
- All HT modules are double EL tested avoiding invisible cracks, dark cells and broken bars to ensure the performance, quality and reliability.
- All the modules are sorted and packaged by amperage, reducing mismatch losses and maximizing system output.
- Independent international authentication certified.
- Entire module certified to withstand extreme wind (2400 Pa) and snow loads (5400 Pa)
- HT-SAAE guarantees highest production standards: IEC 61215, IEC 61730, IEC 62716 (Ammonia corrosion) & IEC 61701 (Salt Mist Corrosion)
- Strict quality control, meeting the highest international standards: ISO 9001, ISO14001 and OHSAS18001

Electrical Charateristricts

STC

Module	HT60-156P-4BB-255	HT60-156P-4BB-260	HT60-156P-4BB-265
Maximum Power at STC(Pmax)	255W	260W	265W
Open-Circuit Voltage(Voc)	37.4V	37.6V	37.8V
Optimum Operating Voltage (Vmp)	30.9V	31.3V	31.7V
Short-Circuit Current(Isc)	8.90A	8.97A	9.04A
Optimum Operating Current(Imp)	8.27A	8.32A	8.37A
Module Efficiency	15.7%	16.0%	16.3%
Power Tolerance	0 ~ +5W		
Maximum System Voltage	1000V DC（IEC）/ 600V DC(UL)		
Maximum Series Fuse Rating	15A		
Operating Temperature	-40 ℃ to + 85 ℃		

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-4BB-255	HT60-156P-4BB-260	HT60-156P-4BB-265
Maximum Power	186W	190W	194W
Open Circuit Voltage （Voc）	33.8V	34.0V	34.2V
Maximum Power Voltage (Vmp)	27.9V	28.3V	28.7V
Short Circuit Current (Isc)	7.19V	7.24A	7.30V
Maximum Circuit Current (Imp)	6.68A	6.72A	6.76A
NOCT	45 ℃ ± 2 ℃		

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

Mechanical Characteristics

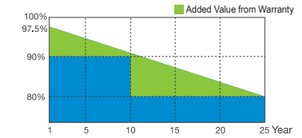
Solar Cells	Polycrystalline 156 × 156mm
No.of Cells	60 (6 × 10)
Dimensions	1640 × 992 × 40/35mm (64.6 × 39.1 × 1.57/1.38in)
Weight	19/18.5kg(41.9/40.8lbs)
Front Glass	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67 / IP65 3 diodes
Cable	4mm² (IEC) /12AWG (UL), 900mm
Connectors	MC4/MC4 Comparable
Module Pieces per Container (40' High Cube Container)	700/784pcs (Varies depending on the size)

Temperature Characteristics

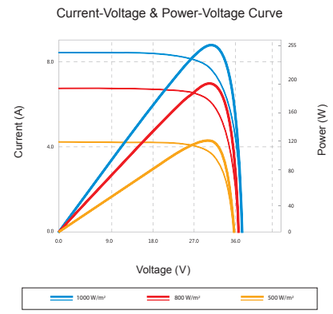
Temperature Coefficient of Pmax	γ (Pm)	-0.41%/K
Temperature Coefficient of Voc	β (Voc)	-0.34%/K
Temperature Coefficient of Isc	α (Isc)	0.049%/K

Warranty

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



I-V Curves



Information Box

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