

# HT60-210

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


**NEW** Large wafer

**590W/595W**  
**600W/605W/610W**


Factory:  
Lianyungang Shenzhou New Energy CO., Ltd.



- Module Efficiency: 21.6%
- No. of Cells 120(6×20)
- Weight 30.5kg
- Dimensions 2172×1303×35mm
- Monocrystalline 210×105mm




Half cut cell technology can reduce the internal power loss and improve component overall power. Excellent heat dissipation avoids hot spot production.




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

**25Ys**  
Products warranty



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


**25Ys**  
Warranty on power output



**2%**  
All the modules are sorted and packaged by amperage, reducing mismatch losses and maximizing system output.

**EL**  
Microcrack resistant , triple EL tested of high quality control.

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



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

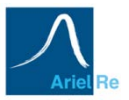
**Anti PID**  
PID resistant

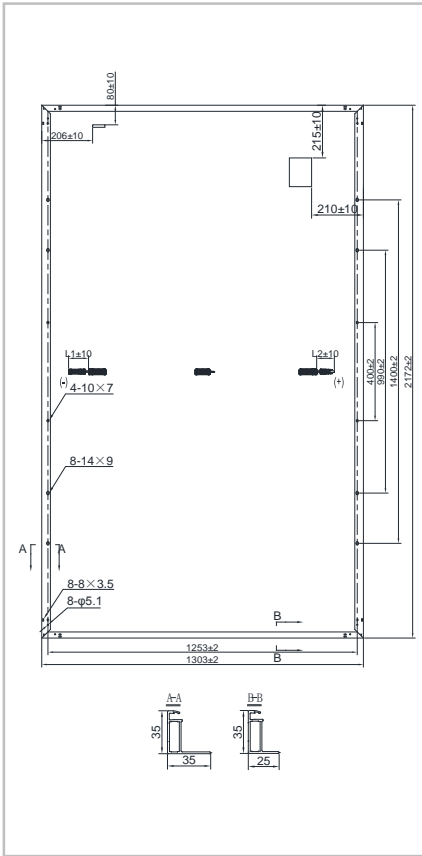
MULTIWAY+



**Comprehensive and first-rate certification system**

IEC 61215:2016. IEC 61730:2016 Latest Standard  
ISO 9001 , ISO 14001 and ISO 45001,  
meeting the highest international standards  
Strict quality control





### Electrical Characteristics (STC)

| Module Type                | HT60-210       |        |        |        |        |
|----------------------------|----------------|--------|--------|--------|--------|
| Maximum Power(Pmax)        | 590W           | 595W   | 600W   | 605W   | 610W   |
| Open Circuit Voltage(Voc)  | 40.9V          | 41.1V  | 41.3V  | 41.5V  | 41.7V  |
| Short Circuit Current(Isc) | 18.37A         | 18.42A | 18.47A | 18.52A | 18.57A |
| Maximum Power Voltage(Vmp) | 34.5V          | 34.7V  | 34.9V  | 35.1V  | 35.3V  |
| Maximum Power Current(Imp) | 17.11A         | 17.15A | 17.20A | 17.25A | 17.29A |
| Module Efficiency          | 20.8%          | 21.0%  | 21.2%  | 21.4%  | 21.6%  |
| Power Tolerance            | 0 ~ +5W        |        |        |        |        |
| Maximum System Voltage     | 1500V DC(IEC)  |        |        |        |        |
| Maximum Series Fuse Rating | 30A            |        |        |        |        |
| Operating Temperature      | -40°C to +85°C |        |        |        |        |

\* STC : AM 1.5, Irradiance 1000W/m<sup>2</sup>, module temperature 25°C

### Electrical Characteristics (NMOT)

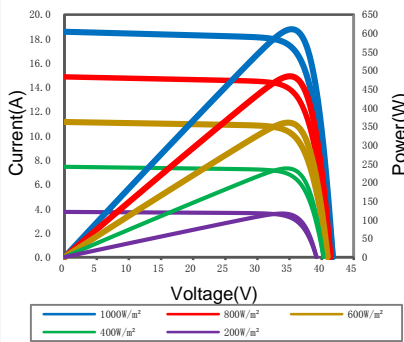
| Module Type                | HT60-210 |        |        |        |        |
|----------------------------|----------|--------|--------|--------|--------|
| Maximum Power(Pmax)        | 447W     | 451W   | 455W   | 458W   | 462W   |
| Open Circuit Voltage(Voc)  | 39.2V    | 39.4V  | 39.6V  | 39.8V  | 40.0V  |
| Short Circuit Current(Isc) | 14.79A   | 14.84A | 14.88A | 14.92A | 14.96A |
| Maximum Power Voltage(Vmp) | 33.1V    | 33.3V  | 33.4V  | 33.6V  | 33.8V  |
| Maximum Power Current(Imp) | 13.50A   | 13.54A | 13.62A | 13.63A | 13.67A |

\* NMOT : Irradiance 800W/m<sup>2</sup>, ambient temperature 20°C, wind speed 1m/s

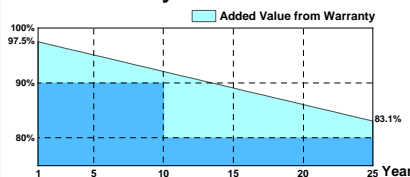
|  |         |           |
|--|---------|-----------|
| Nominal Module Operating Temperature(NMOT) | 43±2°C  |           |
| Temperature Coefficient of Pmax            | γ (Pm)  | -0.33%/°C |
| Temperature Coefficient of Voc             | β (Voc) | -0.26%/°C |
| Temperature Coefficient of Isc             | α (Isc) | 0.042%/°C |

|                         |   |
|-------------------------|---|
| Solar Cells             | Monocrystalline 210 × 105mm                         |
| No. of Cells            | 120 ( 6×20 )  |
| Dimensions              | 2172mm×1303mm×35mm                                  |
| Weight                  | 30.5kg  |
| Front Glass             | High transmission tempered glass                    |
| Frame                   | Anodized aluminum alloy                             |
| Junction Box            | IP68  |
| Cable                   | 4mm <sup>2</sup> (IEC) Length: (+) 400mm, (-) 300mm |
| Connectors              | MC4 / MC4 Compatible                                |
| Packaging Configuration | 31 pcs/box : 558 pcs/ 40' HQ Container              |

### IV Curves



### Warranty



25-year product warranty\*

25-year warranty on power output\*

\* Specific information is referred to the product quality guarantee

\*The module recycling should be carried out by the professional institutions at the end of module life cycle

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