

## SHBC120T/W

355-370W

0~+5W

Power tolerance

120 Layout

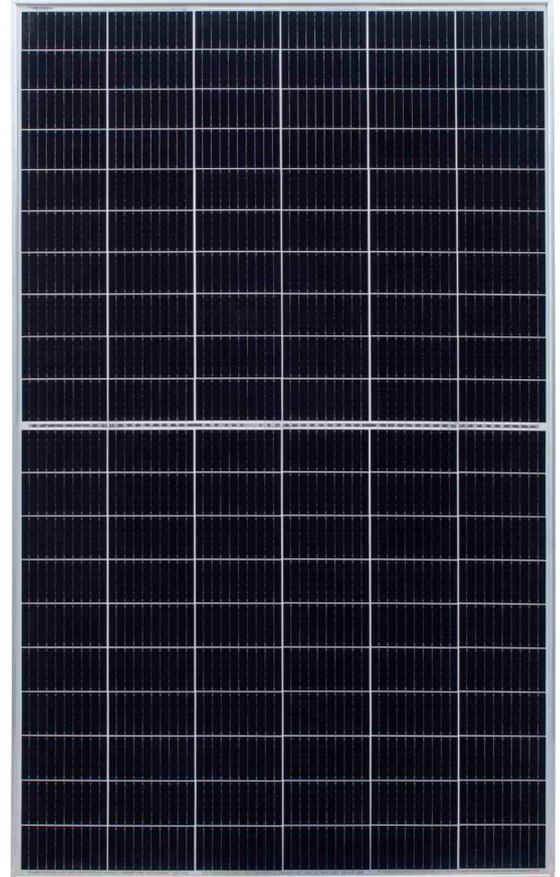
Monocrystalline module

19.8%

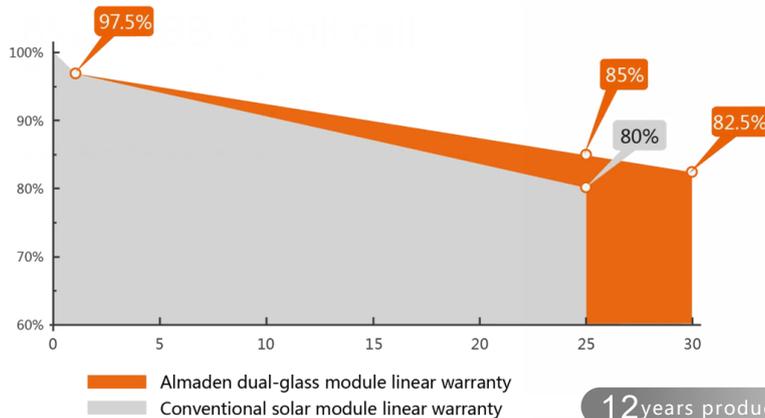
Max efficiency

MBB & Half cell

Technology



### Dual-glass solar module linear warranty



12years product warranty

30years performance warranty



High efficiency, Module efficiency upto 19.8%



both side use 2.0mm tempering glass, Lighter, thinner and more economical



Frame design , easy of transportation and installation



Half Cell, MBB technology, Series-then-parallel cell connection design



Superior low irradiance performance



Excellent temperature coefficient characteristics



Lower LCOE



Highly anti-corrosion, such as ammonia or saline



30-year linear performance warranty ensure higher ROI of the power plant

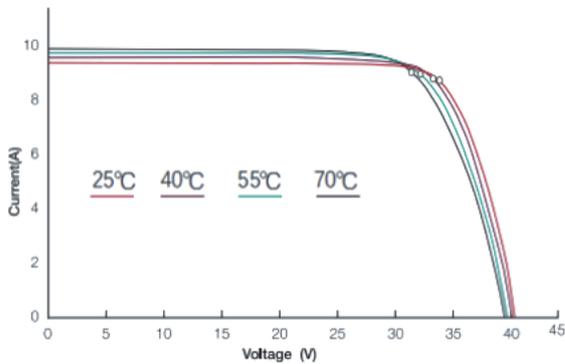
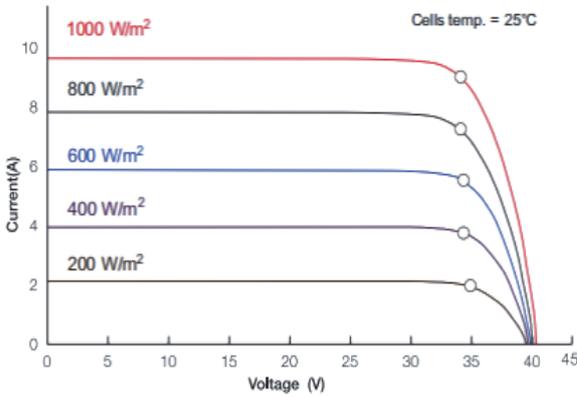


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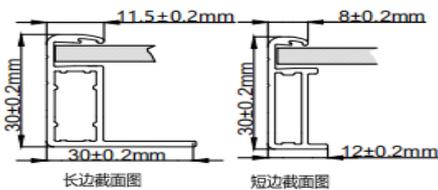
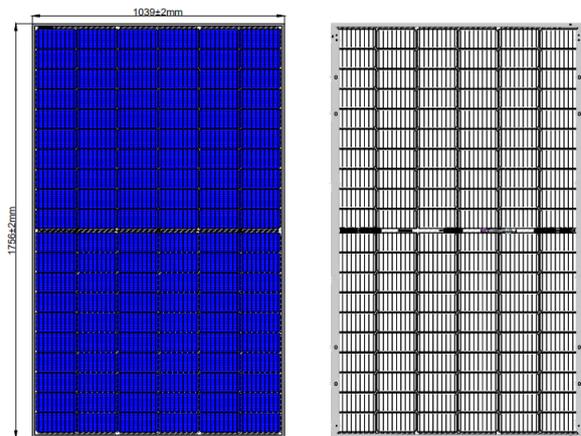
## 355-370W



### I-V Curve(360W)



### DIMENSION(mm)



\* Declaration:

The technical specifications in this document may be slightly biased and Amaden does not guarantee its complete accuracy. Due to continuous technological innovation and product optimization, Amaden reserves the right to adjust the specification in this document at any time without prior notice. When signing a contract, the client should obtain the latest product datasheet as part of a binding contract.

### ELECTRICAL SPECIFICATION (STC)

| Module                          | SHBC120T/W-355 | SHBC120T/W-360 | SHBC120T/W-365 | SHBC120T/W-370 |
|---------------------------------|----------------|----------------|----------------|----------------|
| Rated Power (Pmpp) (W)          | 355            | 360            | 365            | 370            |
| Power Output Tolerance (W)      | 0~+5           |                |                |                |
| Rated Current (Impp) (A)        | 10.57          | 10.64          | 10.72          | 10.79          |
| Rated Voltage (Vmpp) (V)        | 33.61          | 33.83          | 34.05          | 34.29          |
| Short Circuit Current (Isc) (A) | 11.06          | 11.14          | 11.22          | 11.29          |
| Open Circuit Voltage (Voc) (V)  | 39.86          | 40.12          | 40.38          | 40.69          |
| Efficiency(%)                   | 19.0           | 19.3           | 19.6           | 19.8           |
| Operational Temperature         | -40~+85°C      |                |                |                |
| Maximum Static Load             | 5400Pa         |                |                |                |
| Maximum Wind Load               | 2400Pa         |                |                |                |
| Maximum System Voltage          | 1500V          |                |                |                |
| Maximum Series Fuse Rating      | 20A            |                |                |                |

STC: Irradiance 1000W/m2, Cell Temperature 25°C, Air Mass AM1.5.

### ELECTRICAL DATA (NOCT)

|                                 | 261   | 265   | 268   | 272   |
|---------------------------------|-------|-------|-------|-------|
| Maximum Power (Pmax) (W)        | 261   | 265   | 268   | 272   |
| Maximum Power Voltage (Vmp) (V) | 30.67 | 30.89 | 31.02 | 31.26 |
| Maximum Power Current (Imp) (A) | 8.51  | 8.58  | 8.64  | 8.70  |
| Open Circuit Voltage (Voc) (V)  | 37.19 | 37.38 | 37.56 | 37.75 |
| Short Circuit Current (Isc) (A) | 8.94  | 9.00  | 9.07  | 9.13  |

NOCT: Irradiance at (1+0.1BiF)800W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

### MECHANICAL SPECIFICATION

|                   |   |
|-------------------|---|
| Cell Type         | Perc Mono-crystalline                           |
| Cell Orientation  | 166mm × 83mm 120PCS                             |
| Module Dimensions | 1756mm × 1039mm × 30mm                          |
| Weight            | 24kg  |
| Front Glass       | 2.0mm tempered AR glass                         |
| Encapsulant       | EVA/POE   |
| Back Glass        | 2.0mm tempered glass/2.0mm ceramic coated glass |
| Junction Box      | IP68 (three bypass diodes)                      |
| Cable             | 4mm²  |
| Connector         | MC4 / MC4 equivalent                            |

### TEMPERATURE COEFFICIENT

|  |            |
|--|------------|
| NOCT(Nominal Operating Cell Temperature) | 45±2°C     |
| Temperature Coefficient of Isc           | +0.0268%/K |
| Temperature Coefficient of Voc (β)       | -0.286%/K  |
| Temperature Coefficient of Pmpp (γ)      | -0.3904%/K |

### PACKAGING CONFIGURATION

|                           |            |
|---------------------------|------------|
| Modules per box           | 35pieces   |
| Modules per 40' container | 840 pieces |