



# CdTe Power Glass

## Imitation Stone Series

Suitable for public buildings such as art galleries, museums, exhibition centers, science and technology museums, and landscape architecture.

### PRODUCT & CERTIFICATION

- IEC/EN 61215 IEC/EN61730
- GB/T15763.3
- JGJ102
- Fire Rating: Class A



#### Low Carbon

Low carbon footprint, low water footprint, short production chain, short energy payback period.



#### Strong Adaptability

Low temperature coefficient, stable generation efficiency in high-temperature environments.



#### Low-Light Power Generation

Minimal impact from light incidence angles, minimal impact from haze and overcast conditions.



#### Flexible Customization

Customizable dimensions, colors, patterns, light transmission, etc., suitable for various architectural styles.



#### Fire Safety

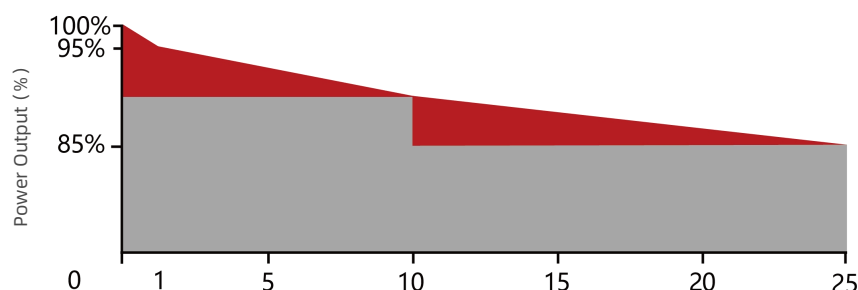
Low current, low heat generation, no hot spots, Class A fire safety rating.



#### Energy saving

Good thermal performance, zero light pollution, isolate ultraviolet and partial infrared radiation.

### QUALITY



PRODUCT  
WARRANTY



LINEAR PERFORMANCE  
WARRANTY

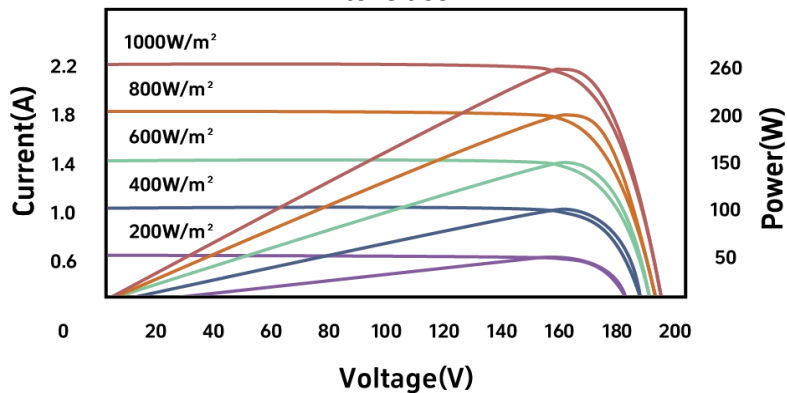


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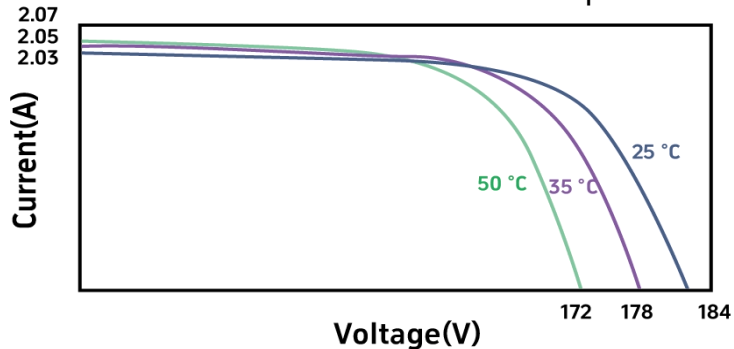
WHERE THERE IS LIGHT, THERE IS ELECTRICITY.

## IV CURVE

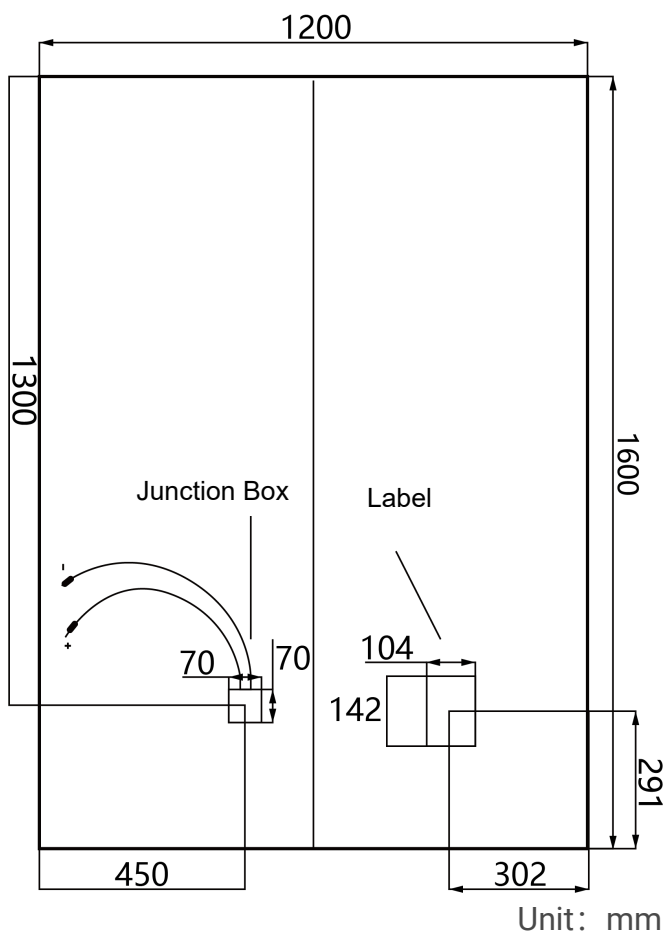
### IV curves of CdTe-S1-260 under different light intensities



### IV curves of CdTe-S1-260 at different temperatures



## MECHANICAL SPECIFICATIONS



## ELECTRICAL SPECIFICATIONS(STC)

| MODEL           |   | CdTe-S1-270 | CdTe-S1-260 | CdTe-S1-250 |
|-----------------|---|-------------|-------------|-------------|
| Pmax            | W | 270         | 260         | 250         |
| Power Tolerance | % | ±3          | ±3          | ±3          |
| Vmpp            | V | 146.3       | 146.3       | 146.3       |
| Impp            | A | 1.84        | 1.77        | 1.7         |
| Voc             | V | 182.3       | 182.3       | 182.3       |
| Isc             | A | 2.11        | 2.02        | 1.95        |

STC: 1000W/m<sup>2</sup>, 25°C, AM1.5

## TEMPERATURE CHARACTERISTICS

|                                    |            |
|------------------------------------|------------|
| Nominal Operating Cell Temperature | 42.3±2°C   |
| Temperature Coefficient of Pmax    | -0.189%/°C |
| Temperature Coefficient of Voc     | -0.396%/°C |
| Temperature Coefficient of Impp    | +0.061%/°C |

## OPERATING PARAMETERS

|                                     |                   |
|-------------------------------------|-------------------|
| Maximum System Voltage              | 1000V             |
| Reverse Current Tolerance Threshold | 3.17A/3.03A/2.93A |
| Operating Temperature Range         | -40°C~+85°C       |
| Maximum Static Load                 | 5400Pa            |
| Hail Test                           | Pass              |
| IP Rating                           | IP67              |

## MECHANICAL PARAMETERS

|                        |                            |               |               |
|------------------------|----------------------------|---------------|---------------|
| Size                   | 1600*1200mm                |               |               |
| Thickness              | 11mm                       | 17mm          | 22mm          |
| Total Module Thickness | 31mm                       | 37mm          | 42mm          |
| Area                   | 1.92m <sup>2</sup>         |               |               |
| Weight                 | 50kg                       | 74kg          | 94kg          |
| Bypass Diodes          | HY6A10S                    |               |               |
| Leadwire               | 2.5mm <sup>2</sup> , 900mm |               |               |
| Module Structure       | 3.2mm+3.2mm+3.2mm          | 6mm+3.2mm+6mm | 8mm+3.2mm+8mm |

- Product installation must strictly comply with the user manual. Please carefully review the user manual or contact the Triumph Glass Holdings after-sales service department for installation guidelines.
  - The technical parameters contained in this technical specification document may have slight deviations, involving specific descriptions of technical changes and testing conditions. Triumph Glass Holdings reserves the right of final interpretation.
- Upon signing the contract, the customer should obtain the latest version of the technical specification document, which shall form an integral part of the legally binding contract agreed upon by both parties.