



凯盛玻璃控股有限公司  
Triumph Glass Holdings Co., Ltd.

POWER UP BUILDING WITH GLASS  
BEAUTIFY THE EARTH

# CdTe Power Glass

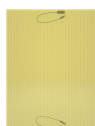
## Colored Transparent Series



colourless



Ruby red



Crystal yellow



Emerald green

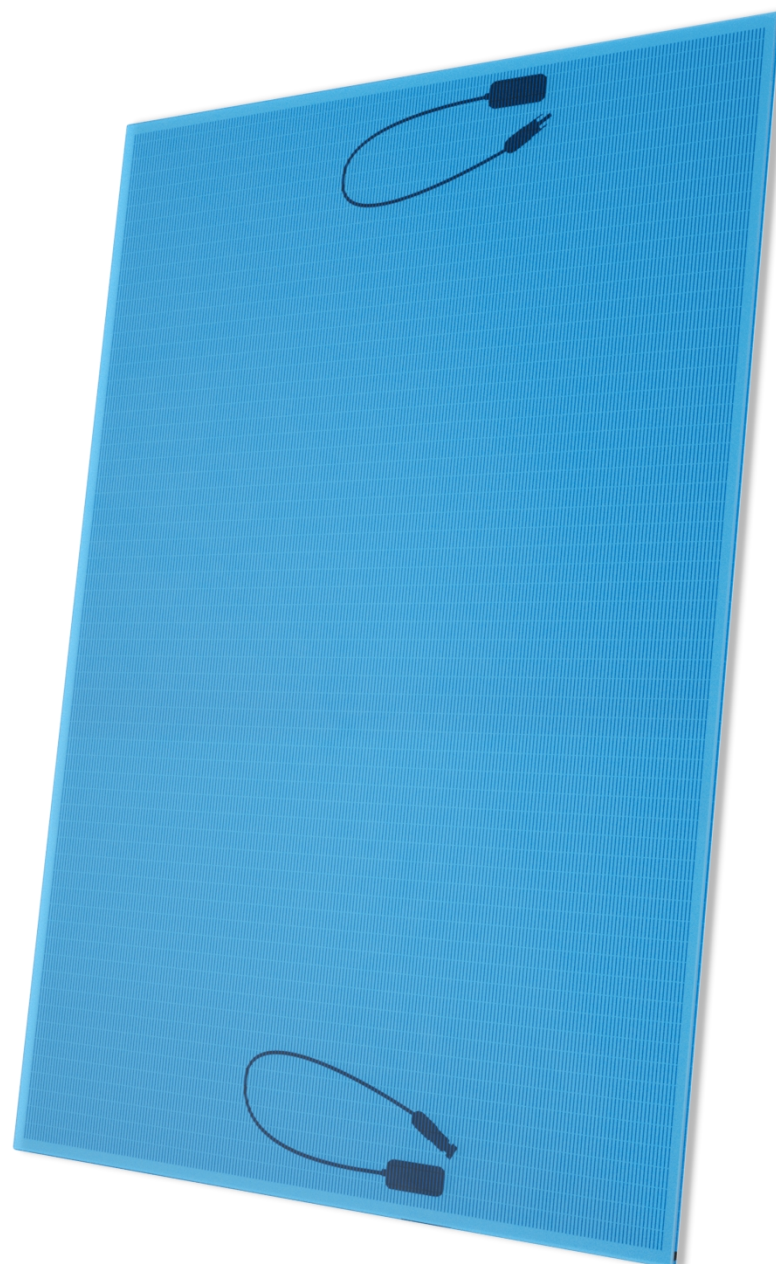


Ocean Blue

Suitable for building facade, corridor, observation decks, etc.

### 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

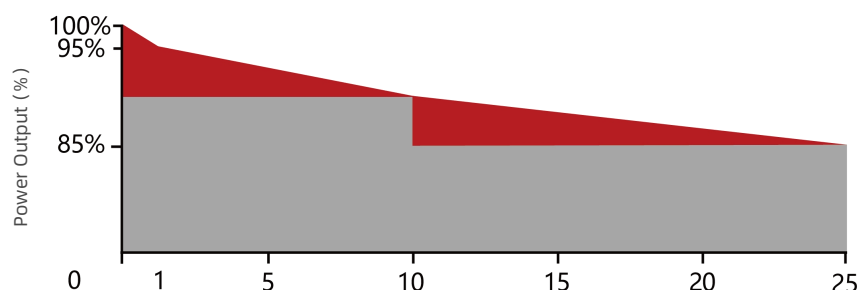
Low current, low heat generation, no hot spots, Class A fire safety rating.



#### Energy saving

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

### QUALITY



PRODUCT  
WARRANTY



LINEAR PERFORMANCE  
WARRANTY

Web: [www.ksblkg.com](http://www.ksblkg.com)

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Official Account



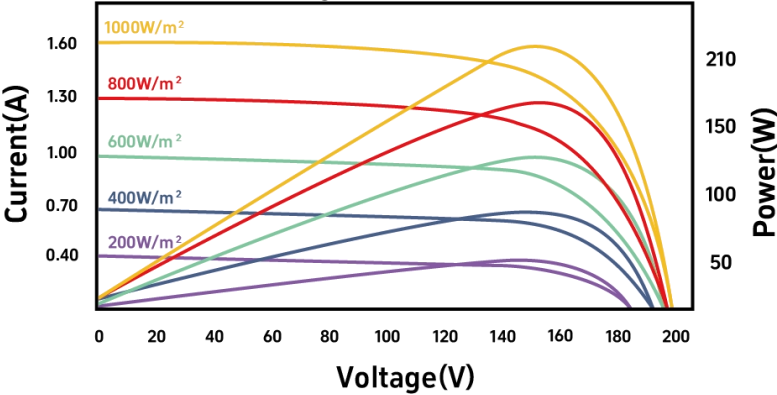
Channels

# Colored Transparent Series

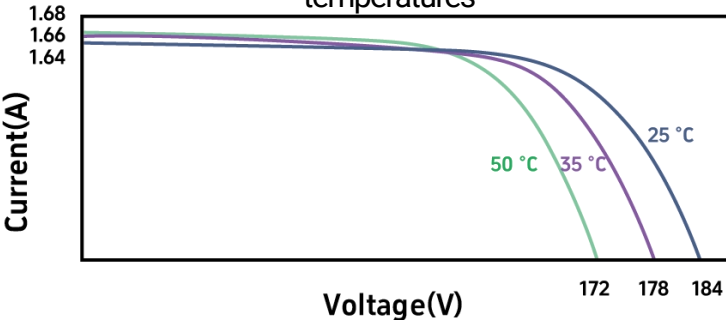
WHERE THERE IS LIGHT, THERE IS ELECTRICITY.

## IV CURVE

IV curves of CdTe-CA2-T30 under different light intensities



IV curves of CdTe-CA2-T30 at different temperatures (25 °C, 35 °C, 50 °C)



## ELECTRICAL SPECIFICATIONS(STC)

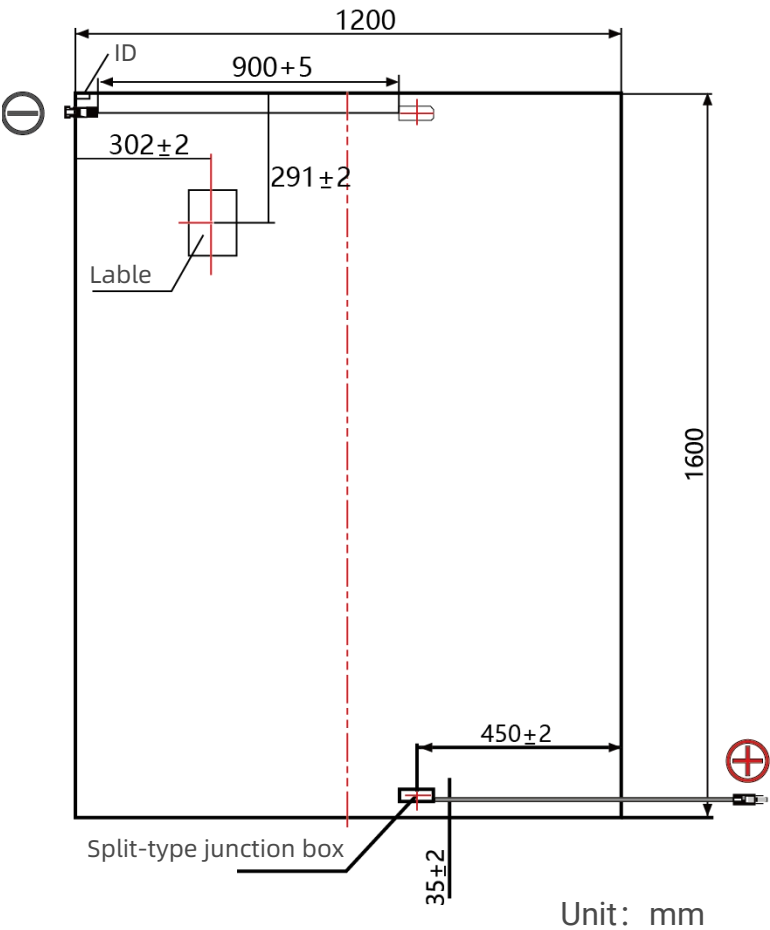
| MODEL                   |   | CdTe-CA2-T20 | CdTe-CA2-T30 | CdTe-CA2-T40 | CdTe-CA2-T50 | CdTe-CA2-T60 |
|-------------------------|---|--------------|--------------|--------------|--------------|--------------|
| Memberance Removal Rate | % | 20           | 30           | 40           | 50           | 60           |
| Pmax                    | W | 240          | 210          | 180          | 150          | 120          |
| Power Tolerance         | % | ±3           | ±3           | ±3           | ±3           | ±3           |
| Vmpp                    | V | 150          | 150          | 150          | 150          | 150          |
| Imp                     | A | 1.62         | 1.42         | 1.22         | 1.02         | 0.81         |
| Voc                     | V | 191          | 191          | 191          | 191          | 191          |
| Isc                     | A | 1.79         | 1.57         | 1.34         | 1.12         | 0.90         |

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 Imp     | +0.061%/°C |

## MECHANICAL SPECIFICATIONS



## OPERATING PARAMETERS

|                                     |                               |
|-------------------------------------|-------------------------------|
| Maximum System Voltage              | 1000V                         |
| Reverse Current Tolerance Threshold | 2.69A/2.35A/2.02A/1.68A/1.34A |
| Operating Temperature Range         | -40°C~+85°C                   |
| Maximum Static Load                 | 2400Pa/5400Pa                 |
| Hail Test                           | Pass                          |
| IP Rating                           | IP67                          |

## MECHANICAL PARAMETERS

|                        |                            |                            |
|------------------------|----------------------------|----------------------------|
| Size                   | 1600*1200*7mm              | 1600*1200*17.5mm           |
| Thickness              | 7mm                        | 17.5mm                     |
| Total Module Thickness | 27mm (With Junction Box)   | 37.5mm (With Junction Box) |
| Area                   | 1.92m <sup>2</sup>         | 1.92m <sup>2</sup>         |
| Weight                 | 30kg                       | 73kg                       |
| Leadwire               | 2.5mm <sup>2</sup> , 900mm | 2.5mm <sup>2</sup> , 900mm |
| Junction Box           | Split-type back connection | Split-type back connection |
| Module Structure       | 3.2mmCdTe+3.2mm            | 6mm+3.2mmCdTe+6mm          |
| Color                  | Customizable               |                            |

- 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.