



中国建材

凯盛玻璃控股有限公司

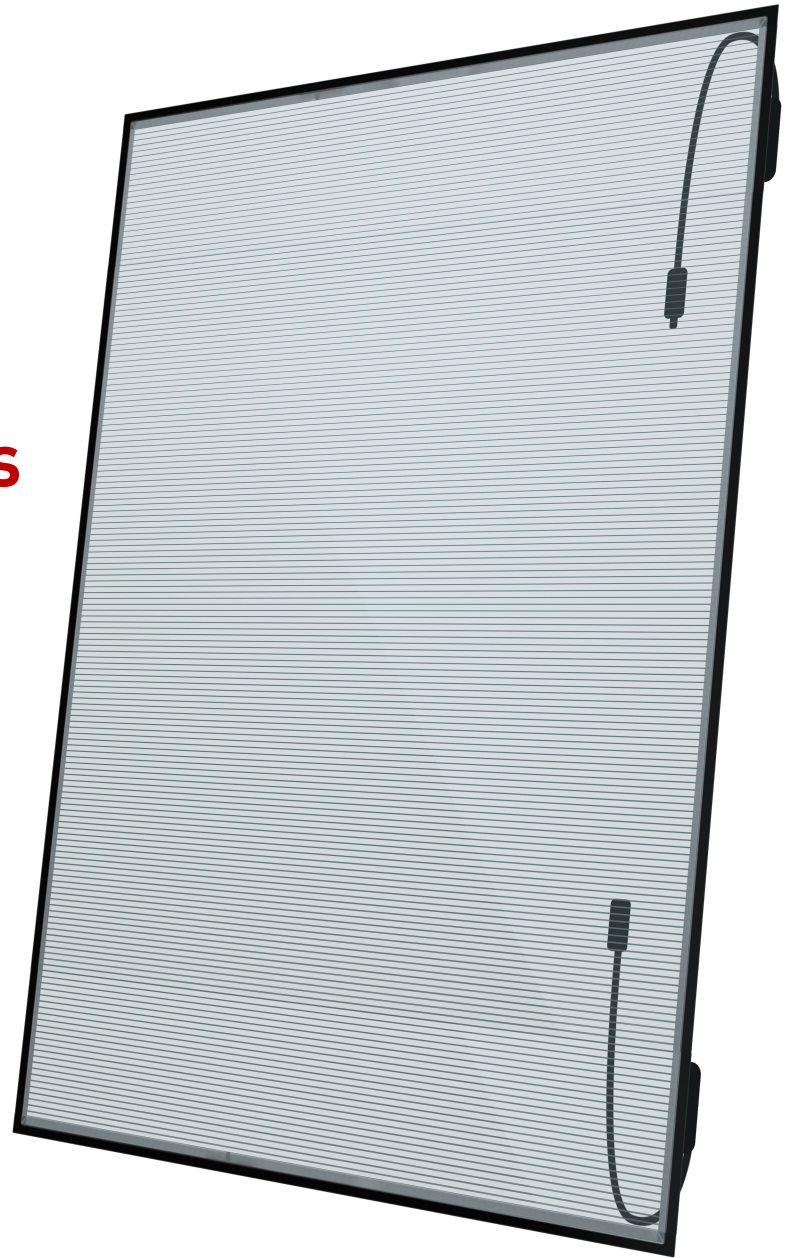
Triumph Glass Holdings Co.,Ltd.

POWER UP BUILDING WITH GLASS
BEAUTIFY THE EARTH

CdTe Power Glass

Insulation Transparent Series

Suitable for building facade, casement window, skylight, etc.,
with adjustable transmittance of 0%~60%.
Insulation: heat, sound, noise.



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

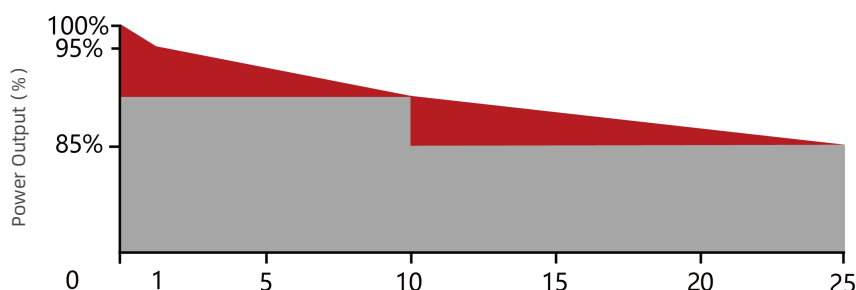
Low current, low heat generation, no hot
spots, Class A fire safety rating.



Energy saving

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

QUALITY



PRODUCT
WARRANTY



LINEAR PERFORMANCE
WARRANTY

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Official Account



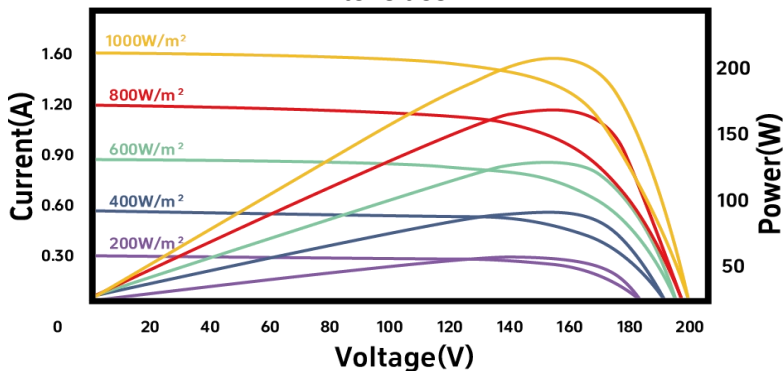
Channels

Insulation Transparent Series

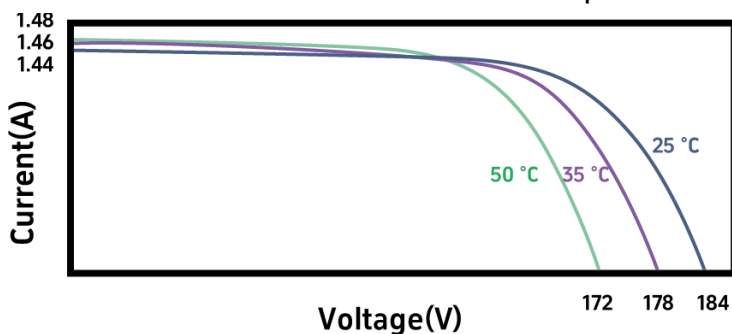
WHERE THERE IS LIGHT, THERE IS ELECTRICITY.

IV CURVE

IV curves of CdTe-Z3-T30 under different light intensities



IV curves of CdTe-Z3-T30 at different temperatures



ELECTRICAL SPECIFICATIONS(STC)

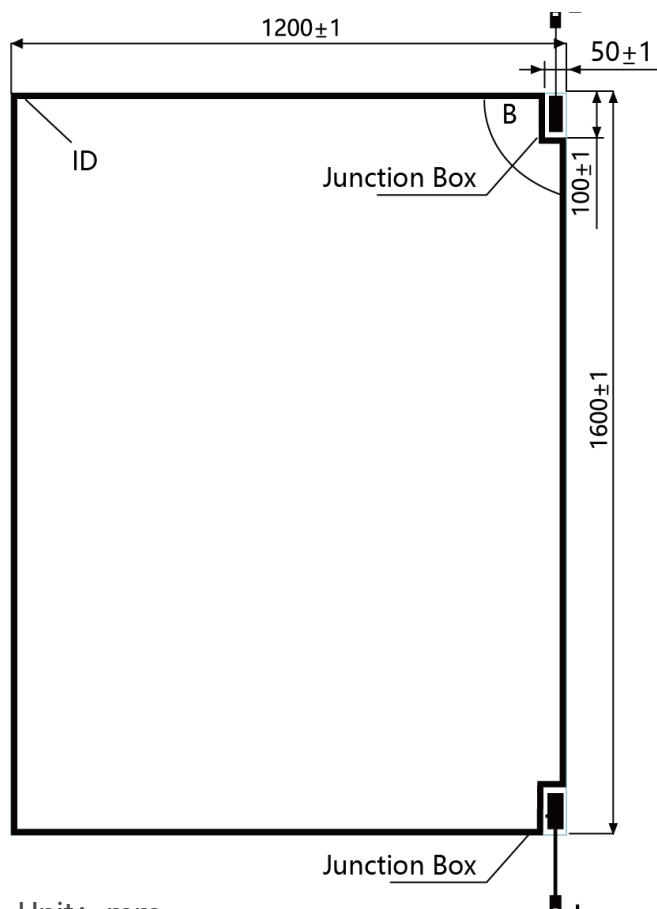
MODEL		CdTe-Z3-T20	CdTe-Z3-T30	CdTe-Z3-T40	CdTe-Z3-T50
Membrane Removal Rate	%	20	30	40	50
Pmax	W	240	210	180	150
Power Tolerance	%	±3	±3	±3	±3
Vmpp	V	150	150	150	150
Impp	A	1.62	1.42	1.22	1.02
Voc	V	191	191	191	191
Isc	A	1.79	1.57	1.34	1.12

STC: 1000W/m², 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

MECHANICAL SPECIFICATIONS



Unit: mm

OPERATING PARAMETERS

Maximum System Voltage	1500V
Reverse Current Tolerance Threshold	T20-2.69A/T30-2.35A/T40-2.02A/T50-1.68A
Operating Temperature Range	-40°C~+85°C
Maximum Static Load	5400Pa
Hail Test	Pass
IP Rating	IP67

MECHANICAL PARAMETERS

	1600*1200mm	1600*1200mm
Size	1600*1200mm	1600*1200mm
Thickness	15mm	22mm
Total Module Thickness	35mm	42mm
Area	1.92m ²	1.92m ²
Weight	103kg	132kg
Bypass Diodes	HY6A10S	HY6A10S
Leadwire	2.5mm ² , 900mm	2.5mm ² , 900mm
Module Structure	6mm+3.2mmCdTe+6mm+12mmAir+6mm (Low-E)	6mm+3.2mmCdTe+6mm+12mmAir+6mm (Low-E)+6mm

- 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.