

1200x1200 Frameless Semitransparent Solar Balustrade

Australian-Certified Building-integrated photovoltaic (BIPV) module.



Provide savings in materials and electricity costs, reduce greenhouse gases, and add aesthetic architectural features to the building

**Improve
Building
Sustainability**

**Create
Cost-saving
Opportunities**

**Mimic
Building
materials**



Low carbon
footprint



Aesthetic



Certified in Australia
as a building material



Excellent thermal
insulation

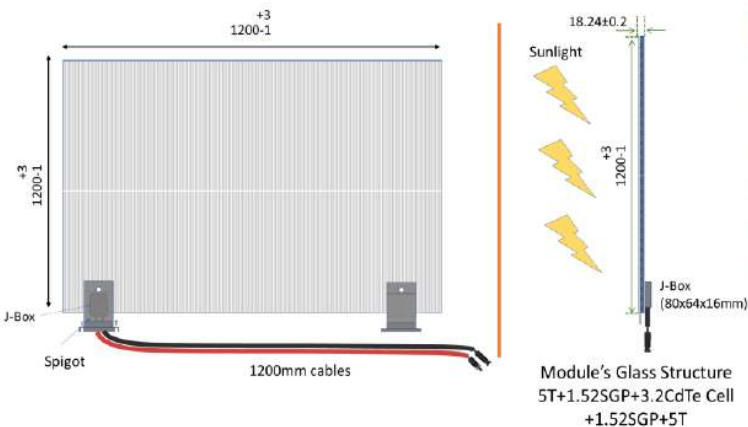


Durable and
Shatter-proof



Energy saving

Frameless Semitransparent Solar Balustrade



Frameless CdTe Thin-Film Semitransparent PV Balustrade

Specifications

Electrical Specifications

(at STC: 1000W/m ² , 25°C, AM1.5)	AST-STBal40
Nominal Power(Pm)	110
Open Circuit Voltage(Voc)	122V
Voltage at max. Power(Vm)	87
Current at max. Power(I _m)	1.26
Transparency % [※]	40%

※ Transparency can be customized.

System Properties (at STC)

Maximum System Voltage, V	V _{sys}	1000 (600UL)
Limiting Reverse Current, A	I _R	4
Maximum Series Fuse, A	I _{CF}	4

Warranty:

- 10 years materials and workmanship.
- 25 years power output guarantee for:
 - 90% of nominal output during 1st 10 years & 80% over 25 years
 - End-of-life modules will be collected&recycled by AST at no cost

Temperature Coefficients (at STC)

Temperature Coefficients of I _{sc} , %/°C	0.06
Temperature Coefficients of V _{oc} , %/°C	-0.321
Temperature Coefficients of P _m , %/°C	-0.214
Operating Temperature, °C	-40 to 85

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Mechanical Specifications

Length	1200mm
Width	1200mm
Thickness	18.24mm
Area	1.44m ²
Weight	40kg
Frame	None
Lead Cable	2.5mm ² 580mm
Connectors	MC4
Bypass Diode	6A
Cell Type	CdTe
Module structure	5T+SGP+3.2cells+SGP+5T
Cover Glass	Annealed
Back Glass	Annealed
Encapsulation	SGP

Packaging Configuration

Modules Per Pallet	20 PCS
Pallet Weight	800 kg
Pallet Dimensions	1260x1680x790mm
Modules Per 40' Container	720PCS