

3000x1200

Semitransparent Solar Glass

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

Provide savings in materials and electricity costs, reduce greenhouse gases

**Improve
Building
Sustainability**

**Create
Cost-saving
Opportunities**

**Mimic
Building
materials**



Low carbon
footprint



Aesthetic



Certified in Australia
as a building material



Excellent thermal
insulation



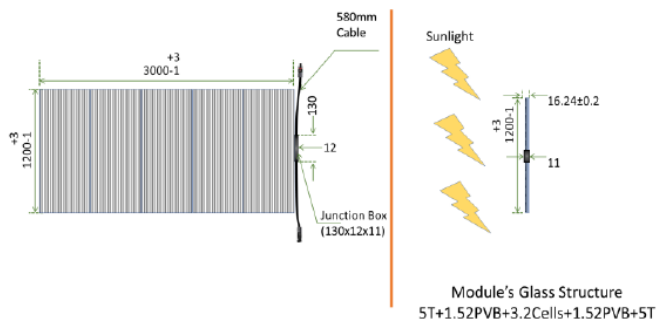
Durable and
Shatter-proof



Energy saving

3000x1200

Semitransparent Solar Glass



CdTe Thin-Film Semitransparent PV Glass

Specifications

Electrical Specifications

(at STC: 1000W/m ² , 25°C, AM1.5)	AST-STG3040	AST-STG3050
Nominal Power(Pm)	310W	260W
Open Circuit Voltage(Voc)	122V	122V
Voltage at max. Power(Vm)	96V	96V
Current at max. Power(I _m)	3.23	2.71
Transparency %*	40%	50%

* Transparency can be customized.

System Properties (at STC)

Maximum System Voltage, Volts	V _{sys} (V)	1000 (600UL)
Limiting Reverse Current, Amps	I _R (A)	2
Maximum Series Fuse, Amps	I _{CF} (A)	2

Temperature Coefficients (at STC)

Temperature Coefficients of I _{sc} , %/°C	α=0.060
Temperature Coefficients of V _{oc} , %/°C	β=-0.321
Temperature Coefficients of P _m , %/°C	γ=-0.214
Operating Temperature, °C	-40 to 85

Mechanical Specifications

Length	3000mm
Width	1200mm
Thickness	16.24mm
Area	3.6m ²
Weight	130kg
Frame	None
Lead Cable	2.5mm ² 580mm
Connectors	MC4
Bypass Diode	6A
Cell Type	CdTe
Module structure	5T+1.52PVB+3.2cells+1.52PVB+5T
Cover Glass	Annealed
Back Glass	Annealed
Encapsulation	PVB

Packaging Configuration

Modules Per Pallet	14 PCS
Pallet Weight	2120 kg
Pallet Dimensions	3080x360x1390mm
Modules Per 40' Container	140PCS

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

Alpha Solar Technologies Pty Ltd

Unit 1/93A Leach Hwy, Kewdale WA 6105,
Australia.

www.alphasolartech.com

Email: sales@alphasolartech.com.au

Tel: +61-8-6239 0230