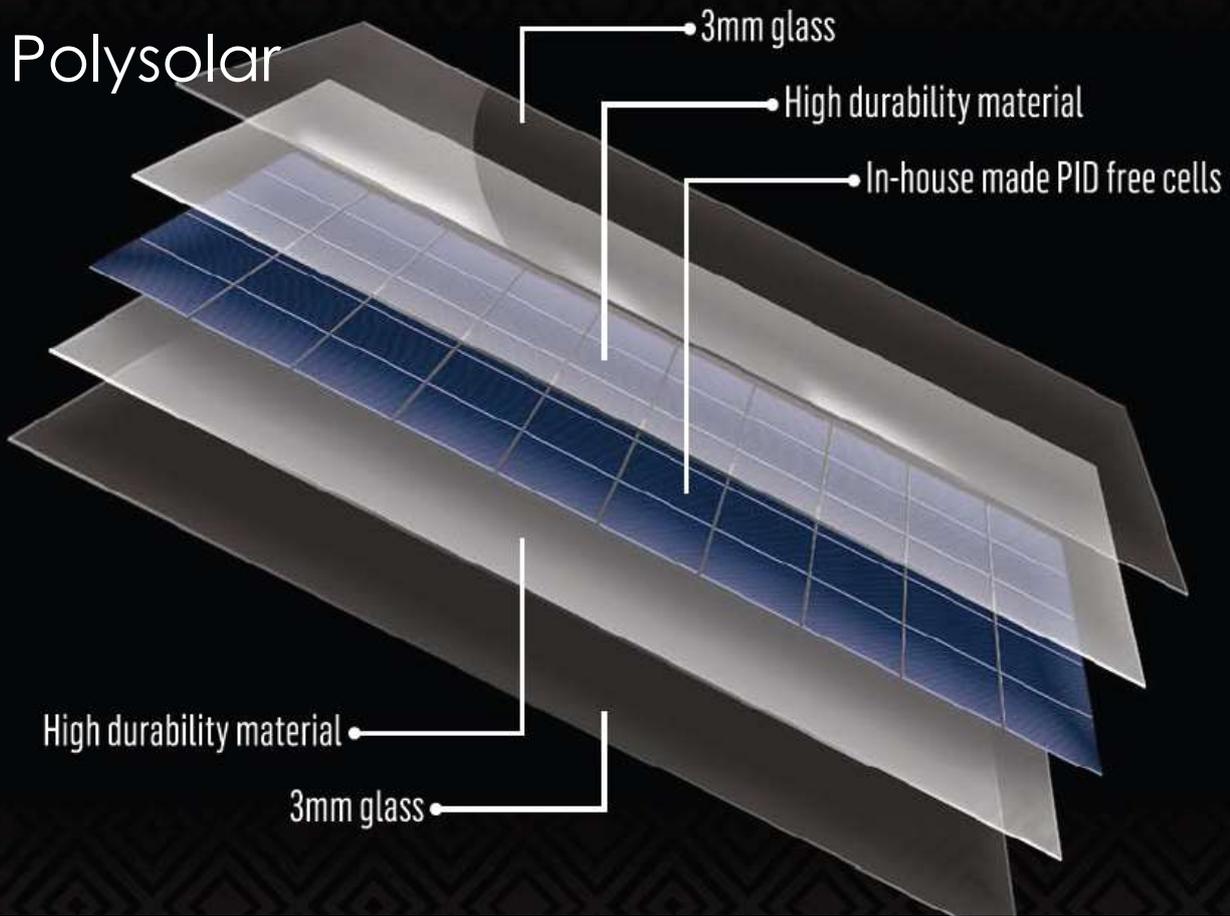




Polysolar



## PS-PC-SE Series panels

STC Product Specifications for c-Si monocrystalline glass/glass laminate BIPV glazing units



**Polysolar's PS-PC-SE glass glass panels incorporate polycrystalline technology to achieve high efficiencies**

Up to 163 Watts/m<sup>2</sup>

High performance panels

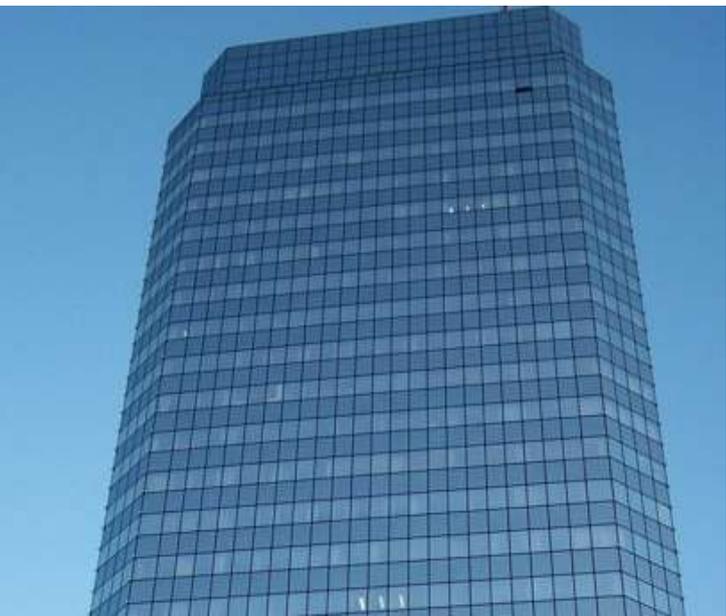
Designed for BIPV applications

Higher efficiency in hot climate

Sand and salt resistance

Bespoke sizing available

Coloured cells available





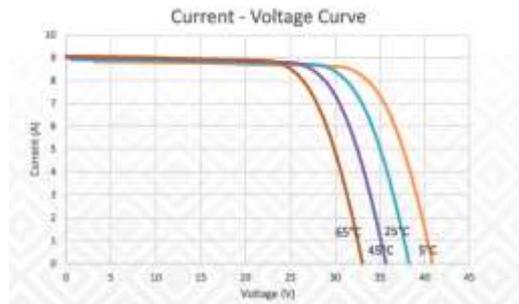
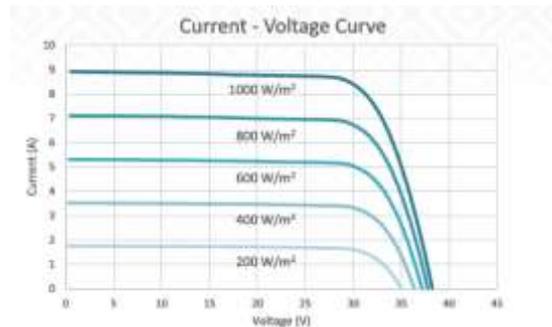
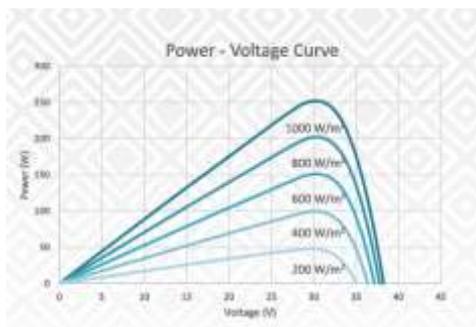
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## Physical Specifications PS-PC-SE Series

|   |                                |                |
|---|--------------------------------|----------------|
| Active Material of Cell   | Polycrystalline silicon        |                |
| Cells   | 156 x 156                      |                |
| Front Cover   | Tempered Glass,thickness: 3 mm |                |
| Back Cover  | Tempered Glass,thickness: 3 mm |                |
| Frame   | Frameless                      |                |
| Dimensions  | Width                          | 1645 mm+/-1mm  |
|   | Length                         | 986 mm +2/-1mm |
|   | Height                         | 7 mm           |
| Cable cross section   | 4 mm <sup>2</sup>              |                |
| Weight  | 27 kg                          |                |
| <p>The module is tested under 2400 Pa (50lb/ft<sup>2</sup>) mechanical load or approximately to a wind speed of 130km/h (80 mph) with certified mounting solutions. Other mounting solutions for higher mechanical loads are also available and can be warranted by Polysolar</p> |                                |                |

## Electrical Specifications PS-PC-SE Series

| Polysolar Model   | Class   | Stabilized Performance STC |          |         |         |
|-------------------|---|----------------------------|----------|---------|---------|
|                   |   | Vmpp (V)                   | Impp (A) | Voc (V) | Isc (A) |
| PS-PC-SE 250      | 250W  | 30.29                      | 8.33     | 38.24   | 8.92    |
| PS-PC-SE 265      | 265W  | 30.34                      | 8.64     | 38.35   | 9.25    |
| Temp Co-efficient | Isc +0.05%/K<br>Voc -0.34%/K<br>Pmpp -0.42%/K |                            |          |         |         |
| Module Efficiency | 15.44%  |                            |          |         |         |



The units electrical ratings are measured under Standard Test Conditions (STC) and have been delivered on the specific table of electrical characteristics as shown above. A photovoltaic module may produce more current and/or voltage than reported at STC. Sunny, cool weather and reflection from snow or water can increase current and power output. Therefore, the values of Isc and Voc marked on the units should be multiplied by a factor of 1.25 when determining component voltage ratings, conductor capacities, fuse sizes, and size of controls connected to PV output. [STC]: 1000 W/m<sup>2</sup>, AM 1.5, 25 °C. The exactly measured electrical characteristics are shown on the label of the units.



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## Warranty

| Warranty on Product<br>(Workmanship & Materials) | Warranty on Performance<br>(Power Grade Output)                     |
|--|---|
| 15 years from date of shipment                   |   |
| <b>Certifications</b>                            | IEC EN61215, 61730, 62716, 61701<br>CE Mark<br>MCS certified by TUV |





# Polysolar

[www.polysolar.co.uk](http://www.polysolar.co.uk)

**Tel: (+44) 01223 911534**

**Email: [info@Polysolar.co.uk](mailto:info@Polysolar.co.uk)**



*World leader's in the design, development and project management of Building  
Integrated Photovoltaic solutions*

### **Cambridge Office**

Polysolar Limited  
Hauser Forum  
Charles Babbage Road  
Cambridge CB3 0GT  
UK

### **London Office**

Polysolar Limited  
One Canada Square  
Canary Wharf  
London E14 5AB  
UK