

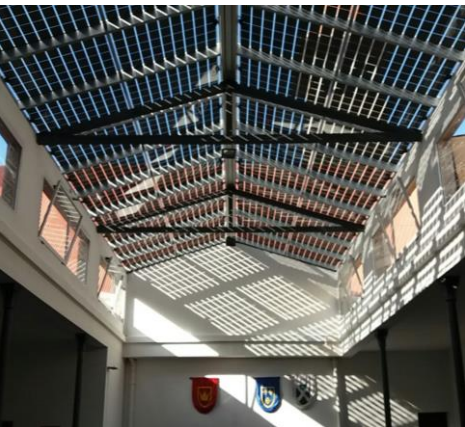


Polysolar



## PS-MC-ST Series panels

STC Product Specifications for c-Si monocrystalline silicon bifacial glass/glass laminate BIPV



Polysolar's new PS-MC-ST series semi transparent glass-glass panels incorporate the latest monocrystalline silicon cell technology to achieve high efficiencies

Module efficiency 20%

Bifacial Cells

Superior durability

30 Year Warrantee

Variable transparencies

Up to 25% more generation dual sided\*





# Polysolar

## Physical Specifications PS-MC-ST Series

Active Material of Cell	Monocrystalline silicon	
Cells	166mm x 166mm	
Front Cover	Tempered Glass, thickness: 3 mm	
Back Cover	Tempered Glass, thickness: 3 mm	
Frame	Frameless	
Dimensions	Width	1049 mm (+ 6mm edge seal)
	Length	1770 mm (+ 8mm edge seal)
	Thickness	7.1 mm
Cable cross section	4 mm <sup>2</sup> 1.2m length	
Weight	30 kg	
Connector/ Bypass Diodes	MC4	
Junction box	Split junction box IP68	
The module is tested under 1600/5330 Pa mechanical load for wind and snow loadings with various certified mounting solutions warranted by Polysolar		

## Electrical Specifications PS-MC-ST Series

Polysolar Model	Class Wp	Trans- parency	Stabilized Performance STC			
			V <sub>mpp</sub> (V)	I <sub>mpp</sub> (A)	V <sub>oc</sub> (V)	I <sub>sc</sub> (A)
PS-MC-ST- 60	350	10%	33.79	10.37	39.66	11.01
Temperature Co-efficient	I <sub>sc</sub> + 0.04%/K V <sub>oc</sub> - 0.36%/K P <sub>mpp</sub> - 0.47%/K					
Maximum Voltage/Current	1500V / 20A					

## Warranty

Warranty on Product (Workmanship & Materials)	Warranty on Performance (Power Grade Output)
30 years from date of shipment 87% Power Guarantee	
<b>Certifications</b>	IEC EN 61215 & 61730 CE Mark Certified by TUV MCS Certified Pending

## Manufactured in Europe

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 I<sub>sc</sub> and V<sub>oc</sub> 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.



# Polysolar

[www.polysolar.com](http://www.polysolar.com)

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

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



*World leaders in the design, development and delivery of  
Building Integrated Photovoltaic solutions*

**Cambridge Office**

Polysolar Limited  
Aurora BAS  
High Cross, Madingley Rd  
Cambridge CB3 0ET  
United Kingdom

**London Office**

Polysolar Limited  
One Canada Square  
Canary Wharf  
London E14 5AB  
United Kingdom