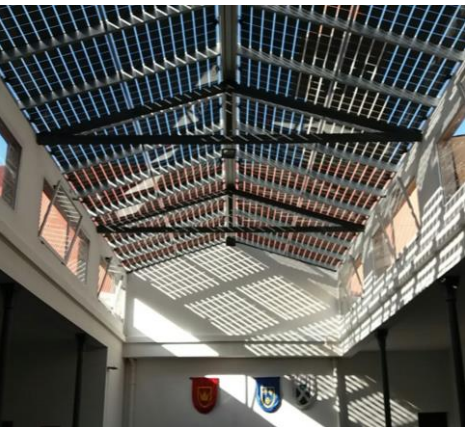




Polysolar

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 19%

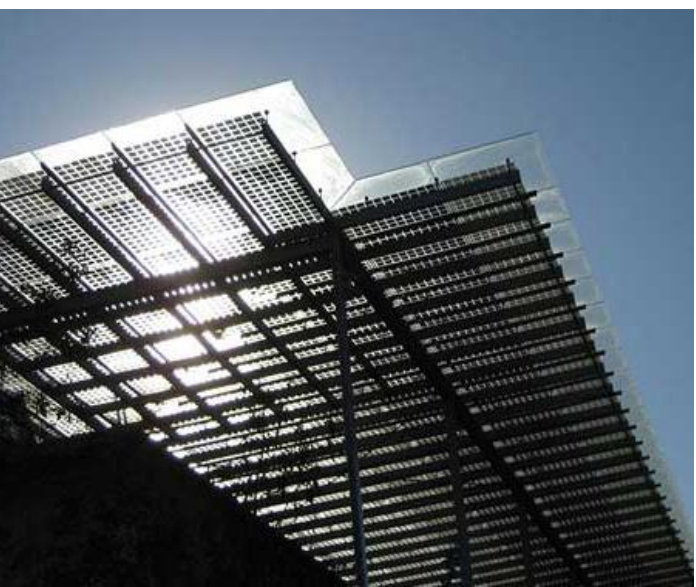
Bifacial Cell options

Superior durability

30 Year Warrantee

Variable transparencies

Up to 40% more generation dual sided*





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Physical Specifications PS-MC-ST Series

Active Material of Cell	Monocrystalline silicon	
Cells	158.75 x 158.75 mm	
Front Cover	Tempered Glass, thickness: 3 mm	
Back Cover	Tempered Glass, thickness: 3 mm	
Frame	Frameless	
Dimensions	Width	1005 mm (+ edge seal)
	Length	1695 mm (+ edge seal)
	Thickness	7.1 mm
Cable cross section	4 mm ²	
Weight	33 kg	
Connector/ Bypass Diodes	MC4 - 3	
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-SE Series

Polysolar Model	Class Wp	Trans- parency	Stabilized Performance STC			
			V _{mpp} (V)	I _{mpp} (A)	V _{oc} (V)	I _{sc} (A)
PS-MC-ST- 60	320	10%	34.91	9.19	41.48	9.76
PS-MC-ST -54	280	20%	34.52	8.70	41.39	8.28
PS-MC-ST-48	260	30%	34.01	7.80	7.66	9.76
PS-MC-ST-36	200	45%	33.93	7.22	40.53	5.61
Temperature Co-efficient	I _{sc} + 0.04%/K V _{oc} - 0.35%/K P _{mpp} - 0.47%/K					
Maximum Voltage/Current	1500V / 15A					

Warranty

Warranty on Product (Workmanship & Materials)	Warranty on Performance (Power Grade Output)
30 years from date of shipment 87% Power Guarantee	
Certifications	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_{sc} and V_{oc} 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/m², AM 1.5, 25 °C. The exactly measured electrical characteristics are shown on the label of the units.



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Physical Specifications PS-MC-ST Series Large Module

Active Material of Cell	Monocrystalline silicon	
Cells	158.75 x 158.75 mm	
Front Cover	Tempered Glass, thickness: 3 mm	
Back Cover	Tempered Glass, thickness: 3 mm	
Frame	Frameless	
Dimensions	Width	1005 mm
	Length	2016mm
	Thickness	7.1 mm
Cable cross section	4 mm ²	
Weight	33 kg	
Connector/ Bypass Diodes	MC4 - 3	
The module is tested under 1600/5330 Pa mechanical load with various certified mounting solutions warranted by Polysolar		

Electrical Specifications PS-MC-SE Series Large Module

Polysolar Model	Class Wp	Transparency	Stabilized Performance STC			
			V _{mpp} (V)	I _{mpp} (A)	V _{oc} (V)	I _{sc} (A)
PS-MC-ST-72	380	10%	40.68	9.36	47.87	9.77
Temperature Co-efficient	I _{sc} + 0.04%/K V _{oc} - 0.35%/K P _{mpp} - 0.47%/K					
Maximum Voltage/Current	1500V / 15A					

Warranty

Warranty on Product (Workmanship & Materials)	Warranty on Performance (Power Grade Output)
30 years from date of shipment 87% Power Guarantee	
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