



Polysolar



PS-MC-SE Series panels

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



Polysolar's PS-MC-SE glass glass panels incorporate monocrystalline technology to achieve high efficiencies

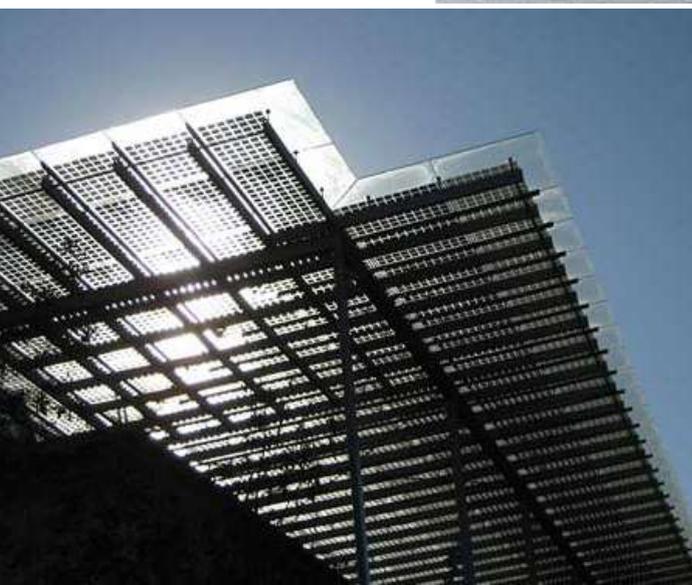
Up to 169 Watts/m²

18.2 % efficiency

Higher efficiency in hot climate

Increased durability

Bespoke sizing available



Certified by



IEC 61215:2005

IEC 61730:2004 standard



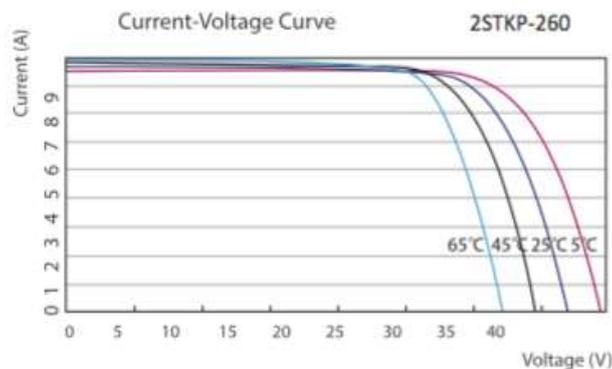
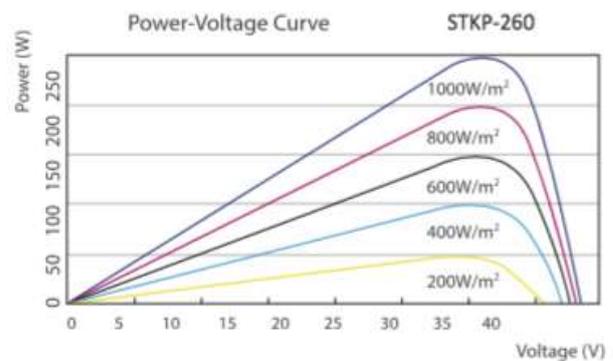
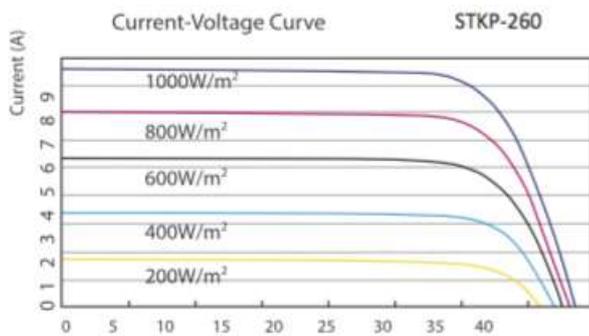
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Physical Specifications PS-MC-SE Series

Active Material of Cell	Monocrystalline silicon	
Cells	156 x 156	
Front Cover	Tempered Glass,thickness: 2.1 mm	
Back Cover	Tempered Glass,thickness: 2.1 mm	
Frame	Frameless	
Dimensions	Width	1673 mm+2/-1mm
	Length	991 mm +2/-1mm
	Height	5.4 mm
Cable cross section	4 mm ²	
Weight	20.5 kg	
<p>The module is tested under 2400 Pa (50lb/ft²) 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-MC-SE Series

Polysolar Model	Class	Stabilized Performance STC			
		V _{mpp} (V)	I _{mpp} (A)	V _{oc} (V)	I _{sc} (A)
PS-PC-SE 260	270W	31.15	8.51	38.40	8.97
PS-PC-SE 270	280W	31.40	8.60	38.80	9.01
Temp Co-efficient	I _{sc} +0.05%/K V _{oc} -0.34%/K P _{mpp} -0.42%/K				
Module Efficiency	18.2 %				



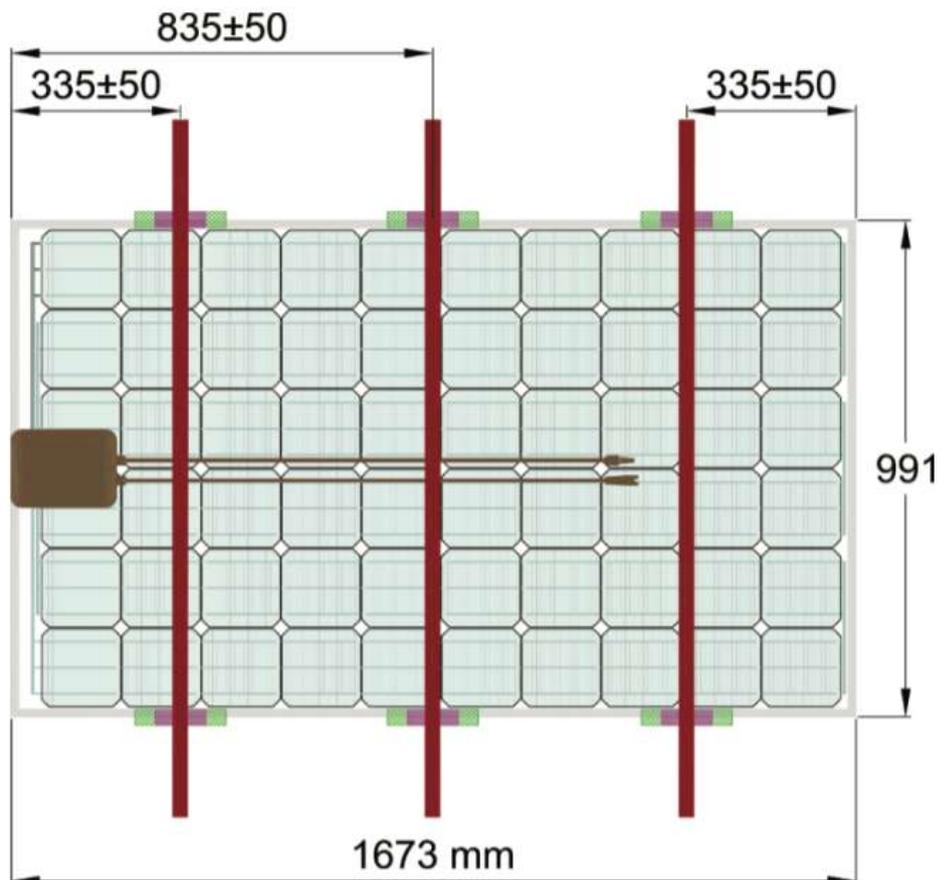
The units electrical ratings are measure shown above. A photovoltaic module may produce more current and/or voltage than reported at STC. Sunny, cool weather and reflection from snow or water can increase current and power output. Therefore, the values of I_{sc} and V_{oc} marked on the units should 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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Warranty

Warranty on Product (Workmanship & Materials)	Warranty on Performance (Power Grade Output)
15 years from date of shipment	
Certifications	IEC EN61215 & 61730 CE Mark Certified by eletro Suisse





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