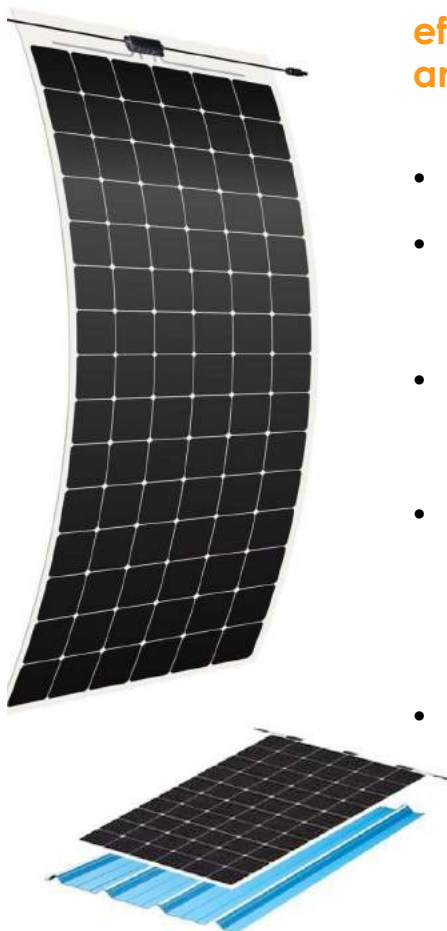




PS-MC-SP Series panels

STC Product Specifications for c-Si Mono Perc crystalline solar panels

Polysolar's PS-MC-SP Mono PERC modules offer high efficiencies up to 22.1% combined with ultra light weight and flexibility



- Light Weight – 5.7kg (3kg/m²), 2.5mm thick
- Flexible- ultra thin silicon wafers with advanced organic polymer encapsulation, offering bending radius of 0.3m
- Ease of Installation - No mounting frame requirement, with bonded or riveted or velcro fixing solutions
- High Efficiency – Busbar free design increases cell conversion efficiency and improved low radiance performance
- Lead Free – Environmentally friendly design without soldering and high reliability



Physical Specifications PS-MC-SP Series

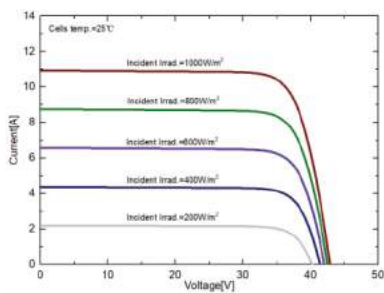
Active Material of Cell		Mono Crystalline Silicon PERC
Cells		126 Half Cells
Encapsulant		POE White Back Sheet
Frame		None
Dimensions	Width	1040 mm
	Length	1840 mm
	Height	2.5 mm
Cable cross section Junction Box		4 mm ² IP68
Weight		5.7kg
The module is tested under 2400 Pa (50lb/ft ²) mechanical load or approximately to a wind speed of 100km/h. Ambient Temperature 20°C, Irradiation 800W/m ²		

Electrical Specifications PS-MC-SP Series

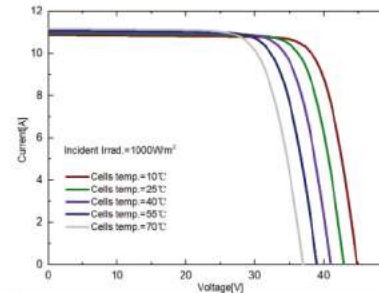
Polysolar Model	Class	Stabilized Performance STC			
		V _{mpp} (V)	I _{mpp} (A)	V _{oc} (V)	I _{sc} (A)
PS-MC-SP355	355W	34.6	10.27	42.5	10.76
PS-MC-SP360	360W	34.8	10.36	42.7	10.85
PS-MC-SP365	365W	35.0	10.44	42.9	10.94
PS-MC-SP370	370W	35.2	10.52	43.1	11.02
PS-MC-S)375	375W	35.4	10.60	43.3	11.09
Temp Co-efficient		I _{sc} +0.06%/K V _{oc} -0.28%/K P _{mpp} -0.36%/K			

I-V Curve

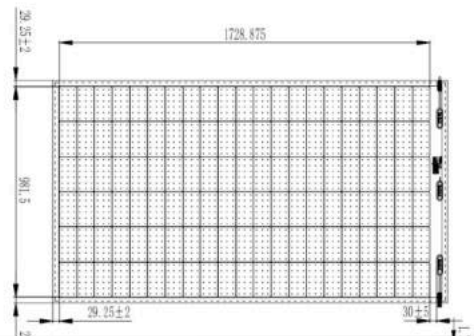
I-V Curves of HNG365NHES at different irradiance




I-V Curves of HNG365NHES at different cell temperatures



Module Size



Warranty

Warranty on Product (Workmanship & Materials)	Warranty on Performance (Power Grade Output)
12 years from date of shipment	25 year period from date of shipment . 1 st Year degradation less than 2.5%. 82% guaranteed for 25 years
Insured by Lloyd's of London	
Manufacturer Certifications 	IEC EN61215 & 61730 - TUV CE Mark ISO 9001: Quality Management System ISO 14001: Environmental Management PV Cycle

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.