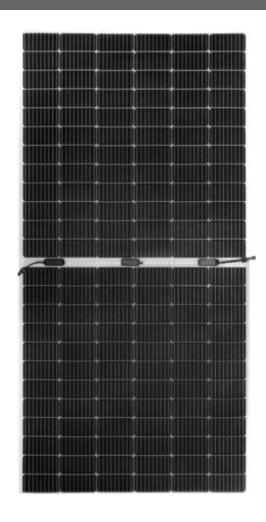


PS-MC-HS Series panels

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



Polysolar's lightweight PS-MC-HS Mono PERC modules offer high efficiencies up to 21.4% & a 12-year warranty

- Lightweight less than 3kg/m2, 3mm thick
- 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 mounting solutions
- Comparable performance efficiencies to conventional solar panels
- Sand, dust, acid, alkali and salt mist resistance and hail shock durability

polysolar.co.uk, Tel:+44(0)1223911534, info@polysolar.co.uk



Physical Specifications PS-MC-HS Series

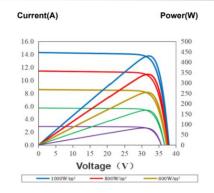
Active Material of Cell		Mono Crystalline Silicon		
Cells		120 (6 x 20)		
Encapsulant		POE White Back Sheet		
Frame		None		
Dimensions	Width	1131 mm		
	Length	1927 mm		
	Height	3 mm		
Cable cross section Junction Box		4 mm ² IP68		
Weight		6.3kg		
T1 1 1				

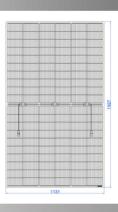
The module is tested under 2400 Pa (50lb/ft²) mechanical load or approximately to a wind speed of 1m/s. Ambient Temperature 25°C, Irradiation 1000W/m²

Electrical Specifications PS-MC-HS Series

Polysolar	Class	Stabilized Performance STC			
Model		Vmpp	Impp	Voc	Isc
		(V)	(A)	(V)	(A)
PS-MC-HS440	440W	34.48	12.77	41.03	13.76
PS-MC-HS445	445W	34.63	12.86	41.18	13.83
PS-MC-HS450	450W	34.78	12.94	41.33	13.90
PS-MC-HS455	455W	34.93	13.03	41.48	13.97
PS-MC-HS460	460W	35.08	13.12	41.63	14.04
Temperature	Isc -0.31%/°C Voc -0.25%/°C Pmpp 0.046%/°C				
Co-efficient					

I-V Curves & Dimensions





Warranty

Warranty on Product	Warranty on Performance		
(Workmanship & Materials)	(Power Grade Output)		
12 years from date of shipment	25 year period from date of shipment . 1st Year degradation less than 2%. 84.8% guaranteed for 25 years		
Manufacturer Certifications	IEC EN61215 & 61730 & 62804, UL 61730		
	ISO 9001: Quality Management System		
	ISO 14001: Environmental Management		
	ISO 45001: Health & Safety Management System		