

# **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 < 3.5 kg/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

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## **Physical Specifications PS-MC-HS Series**

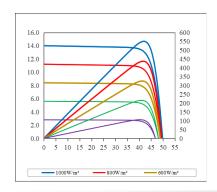
Active Material of Cell		Mono Crystalline Silicon		
Cells		144 (12 x 12)		
Encapsulant		POE White Back Sheet		
Frame		None		
Dimensions	Width	1190 mm		
	Length	2239 mm		
	Height	3 mm		
Cable cross section Junction Box		4 mm² IP68		
Weight		7.7 kg		
The module is tested under 2400 Pa (50lb/ft2) machanical lead or approximately to a				

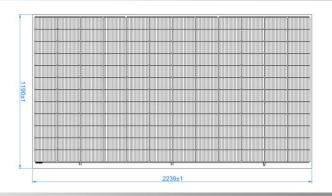
The module is tested under 2400 Pa (50lb/ft²) mechanical load or approximately to a wind speed of 1m/s. Ambient Temperature 25°C, Irradiation 1000W/m²

## **Electrical Specifications PS-MC-HS Series**

Polysolar	Class	Stabilized Performance STC			
Model		Vmpp	Impp	Voc	Isc
		(∨)	(A)	(∨)	(A)
PS-MC-HS535	535W	41.3	12.96	49.50	13.67
PS-MC-HS540	540W	41.5	13.02	49.70	13.75
PS-MC-HS545	545W	41.7	13.07	49.90	13.83
PS-MC-HS550	550W	41.9	13.13	50.10	13.91
PS-MC-HS555	555W	42.1	13.19	50.30	13.99
Temperature	· · · · · · · · · · · · · · · · · · ·			%/°C	
Coefficient					

#### **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		
No.	ISO 45001: Health & Safety Management System		