

SYMMETRY Product Specifications

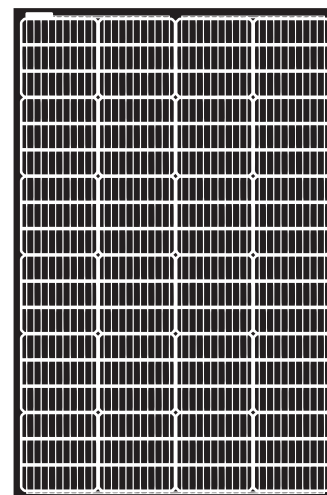
290 & 340 Watts



The Symmetry 290 Poly and 340 Mono solar module is perfect for stand-alone water pumps and other agricultural applications.

Key Features:

- High conversion efficiency
- Positive power tolerance of 0 ~ +3%
- Low degradation under light exposure
- Can withstand high wind pressure, snow load and extreme temperatures
- Pass IEC 61215 & IEC 61730 product standards



Electrical Specifications

Model No.	SY-P290W/MC4	SY-M340W/MC4
STC: Irradiance 1000 W/m², AM 1.5G and cell temperature of 25°C		
Peak Power – Pmax (W)	290	340
Max. Power Voltage – Vmp (V)	32.14	33.24
Max. Power Current – Imp (A)	9.03	10.23
Open Circuit Voltage – Voc (V)	39.37	40.72
Short Circuit Current – Isc (A)	9.51	10.77
Cell Efficiency (%)	19.18	22.49
Module Efficiency (%)	17.45	20.46
* STC: Irradiance 800 W/m², AM 1.5G, and cell temperature of 20°C		
Peak Power – Pmax (W)	215	252
Max. Power Voltage – Vmp (V)	30.05	31.08
Max. Power Current – Imp (A)	7.16	8.11
Open Circuit Voltage – Voc (V)	37.02	38.29
Short Circuit Current – Isc (A)	7.59	8.60

Temperature & Maximum Rating

Model No.	SY-P290W/MC4	SY-M340W/MC4
Maximum System Voltage (V)	1000/1500	
Maximum Series Fuse Rating (A)	20	
Power Tolerance (%)	0~ +3	
Pmax Temperature Coefficients (W/°C)	-0.400%	
Voc Temperature Coefficients (V/°C)	-0.290%	
Isc Temperature Coefficients (A/°C)	+0.045%	
NOCT Nominal Operating Cell Temperature (°C)	45±2	
Operating & Storage Temperature (°C)	-40~ +85	

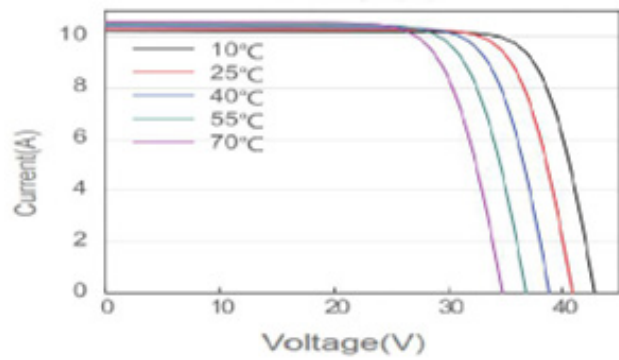
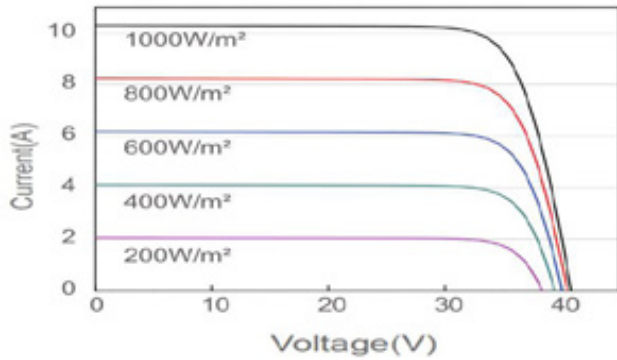
Mechanical Characteristics

Model No.	SY-P290W/MC4	SY-M340W/MC4
Cell Type	158.75 x 158.75 Poly	158.75 x 158.75 Mono
No. of Cells	60 (6 x 10)	
Dimensions (mm)	1658 x 1002 x 35	
Weight (kg)	18.6	
Front Glass	3.2mm high transmission, low iron, tempered glass	
Frame	Anodized Aluminium Alloy	
Junction Box	IP67 (3 diodes)	
Output Cables	900mm 4mm ² cable (including LH4 connectors)	
Max. Wind/Snow Load	2400Pa / 5400Pa	
Pallet Quantity	31 pcs	

Product Standards

Product Performance	IEC61215
Product Safety	IEC61730
Warranty	5 Years

IV Cure



Product Dimensions (mm)

