

SYMMETRY PRODUCT SPECIFICATIONS

290 Watts

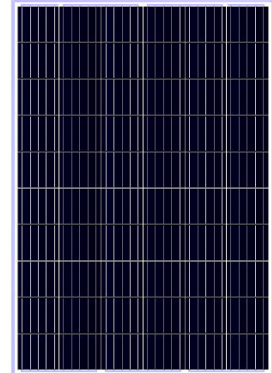
SY-P290W/MC4



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

Features:

- High conversion efficiency
- Positive power tolerance of 0 ~ +3%
- Low degradation under light exposure
- Can withstand high wind pressure, snow load and extreme temperature
- Pass IEC 61215 2400Pa mechanical load test



Specifications

Model No.	SY-P290W/MC4
STC: Irradiance 1000 W/m², AM 1.5, Gand cell temperature of 25° C	
Peak Power (Pmax)	290
Maximum Power Voltage (Vmp)	32.14
Maximum Power Current (Imp)	9.03
Open Circuit Voltage (Voc)	39.37
Short Circuit Current (Isc)	9.51
Cell Efficiency (%)	19.18
Module Efficiency (%)	17.45
NOCT: Irradiance 800W/m², AM 1.5G, ambient temperature if 20° C	
Peak Power (Pmax)	215
Maximum Power Voltage (Vmp)	30.05
Maximum Power Current (Imp)	7.16
Open Circuit Voltage (Voc)	37.02
Short Circuit Current (Isc)	7.59
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 (W/°C)	-0.300%
Isc Temperature Coefficients (A/°C)	+0.060%
NOCT Nominal Operating Temperature (°C)	45±2
Operation & Storage Temperature (°C)	-40 ~ +85

Mechanical Characteristics

Model No.	SY-P290W/MC4
Cell Type (mm)	158.75 x 158.75 Poly
No. of Cells	60 (6x10)
Dimensions (mm)	1658 x 1002 x 35
Weight (kg)	18.6
Front Glass	3.2mm high transmission, low iron, tempered glass
Frame	Anodised Aluminium Alloy
Junction Box	IP67
Output Cables	4mm ² cable 900mm + MC4
Maximum Load/Snow	2400Pa / 5400Pa

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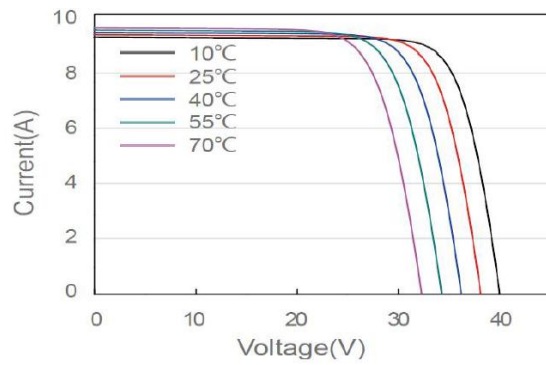
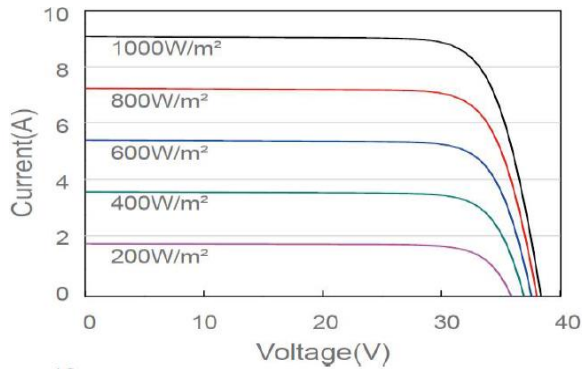
SY-P290W/MC4



Product Standards

Model No.	SY-P290W/MC4
Product Performance	IEC61215
Product Safety	IEC61730
CEC Approved	No

IV Curve



290W Poly solar panel (1658*1002*35)

