

SYMMETRY Product Specifications

20 Watts

SY2-M20W-5M

The Symmetry range of small area modules are perfect for use in a wide variety of low power solar PV systems. Available in a range of sizes from 5 watts up to 160 watts, the Symmetry range uses mono-crystalline, weatherproof A grade solar cells in a robust aluminium frame.

Features:

■ 5 Busbar Cell

5 busbar solar cells improve the efficiency of modules, offer a better aesthetic appearance.

■ High Efficiency

High module conversion efficiency, through innovative manufacturing technology.

■ Low-Light Performance

Advanced glass and solar cell surface texturing allow for excellent performance in low-light environments.

■ Severe Weather Resilience

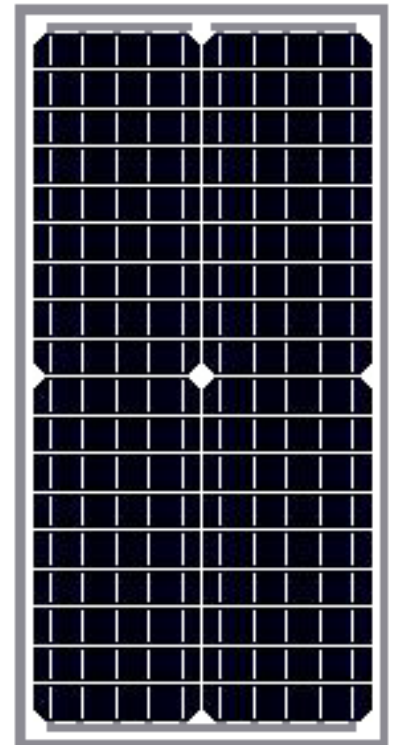
Certified to withstand - wind load (2400Pa) and snow load (5400Pa).

■ Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance certified by TUV.

■ 0-+5W Positive Tolerance

Detailed information in Electrical Specifications.



Electrical Specifications

Model Number	SY2-M20W-5M
Peak Power – Pmax (W)	20
Max. Power Voltage – Vmp (V)	18.46
Max. Power Current – Imp (A)	1.09
Open Circuit Voltage – Voc (V)	22.61
Short Circuit Current – Isc (A)	1.15
Cell Efficiency (%)	18.19
Module Efficiency (%)	13.93
Max. System Voltage (V)	1000
Max. Series Fuse Rating (A)	10
Power Tolerance	0 ~ +3%
Pmax Temp. Coefficients (W/ °C)	-0.400%
Voc Temp. Coefficients (V/ °C)	-0.290%
Isc Temp. Coefficients (A/ °C)	+0.048%
NOCT Nominal Operating Cell Temp (°C)	45±2
Operating & Storage Temp. (°C)	-40 ~ +85
Standard Test Conditions (STC)	1.000w/m ² ; AM1.6; 25 +/-2 °C

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Mechanical Specifications

Model Number	SY2-M20W-5M
Cell Type	Mono-crystalline
No. of Cells	36 (2x18)
Module Dimensions	430 x 345 x 25mm
Weight	1.9kg
Front Glass	3.2mm high transmission, low iron, tempered glass
Frame	Anodized Aluminium Alloy
Junction Box	IP64 Rated
Output Cable	5m x 0.5mm ² dual core (UV rated)
Carton Dimensions	433 x 345 x 45mm

Product Standards

Product Performance	IEC61215
Product Safety	IEC61730
Warranty	Workmanship & materials; 5 years

Product Dimensions (mm)

