

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:

■ 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

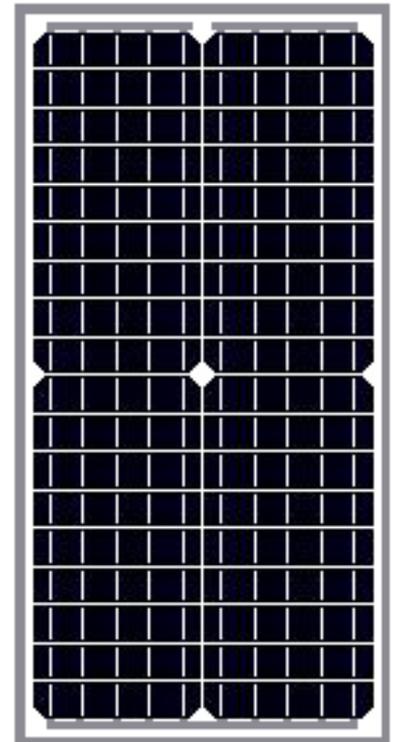
Certified to withstand - wind load (2400Pa) and snow load (5400Pa).

■ 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 |



Two Great Stores to choose from...

7 Cemetery Rd,
Mackay QLD 4740

Phone 07 4957 6123

Unit 16, 547 Woolcock St,
Mt Louisa, Townsville QLD 4814

Phone 07 4774 7344

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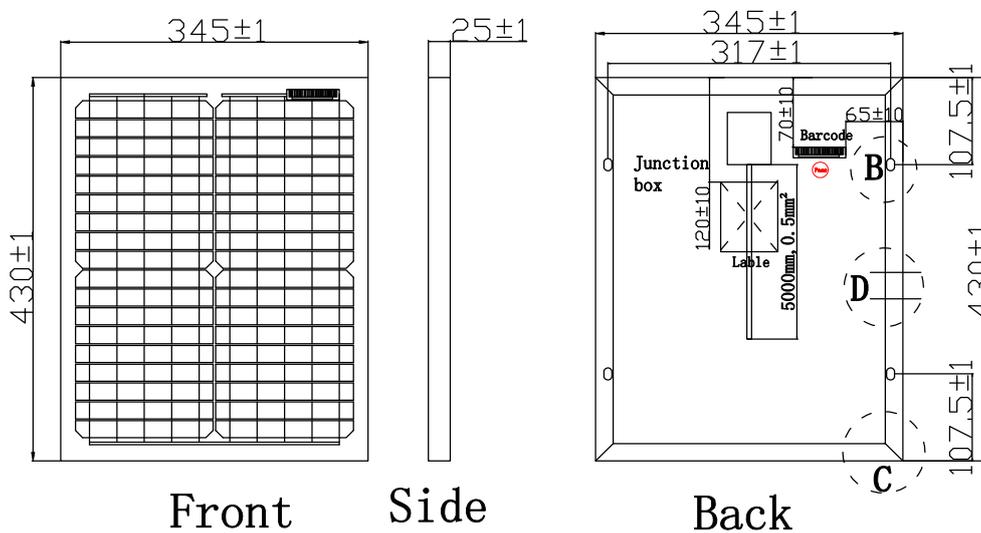
Mechanical Specifications

| 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)



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