

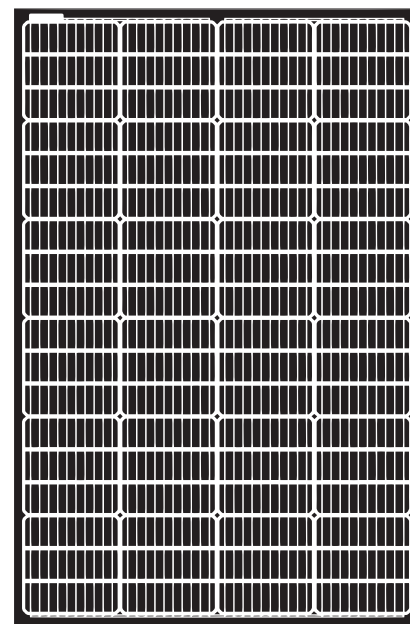
SYMMETRY Product Specifications

160 Watts
SY3-M160W/LH4

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.

Key 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 (STC*)

Model No.	SY3-M160W/LH4
Peak Power – Pmax (W)	160.00
Max. Power Voltage – Vmp (V)	18.96
Max. Power Current – Imp (A)	8.44
Open Circuit Voltage – Voc (V)	22.52 ±3%
Short Circuit Current – Isc (A)	8.95 ±3%
Module Efficiency (%)	17.69

* STC: Irradiance 1000 W/m², AM1.5, and cell temperature of 25°C

Temperature & Maximum Rating

Model No.	SY3-M160W/LH4
Maximum System Voltage (V)	1000
Maximum Series Fuse Rating (A)	15
Power Tolerance (W)	0~3
Pmax Temperature Coefficients (W/°C)	-0.35%
Voc Temperature Coefficients (V/°C)	-0.285%
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.	SY3-M160W/LH4
Cell Type	182 x 60.66 Mono
No. of Cells	72 (4 x 18)
Dimensions (mm)	1175 x 770 x 30
Weight (kg)	9.61
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	72 pcs

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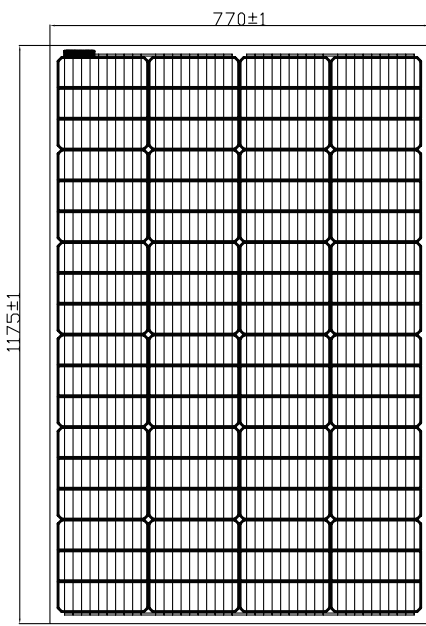
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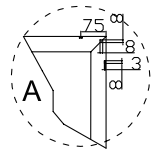
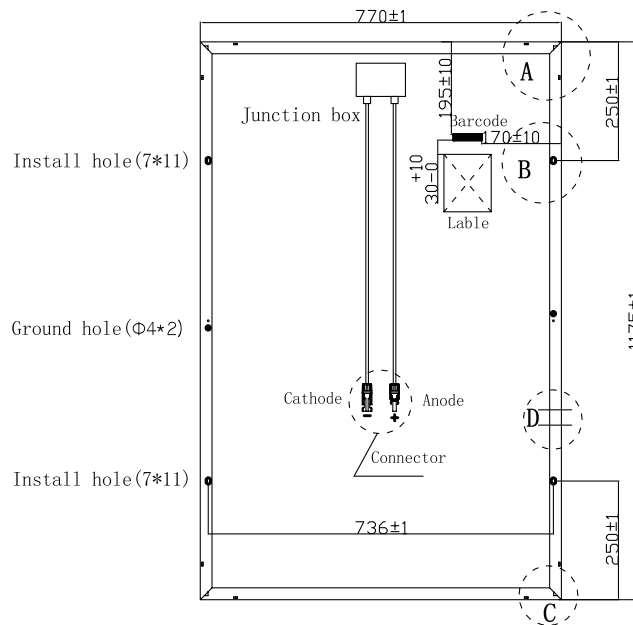
Product Standards

Model No.	SY3-M160W/LH4
Product Performance	IEC61215
Product Safety	IEC61730
Warranty	5 Years

Product Dimensions (mm)



Front



Drainage hole



Install hole (7*11)



Frame cross-section

