

SYMMETRY Product Specifications

180 Watts
SY3-M180W/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 180 watts, the Symmetry range uses mono-crystalline, weatherproof A grade solar cells in a robust aluminum 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

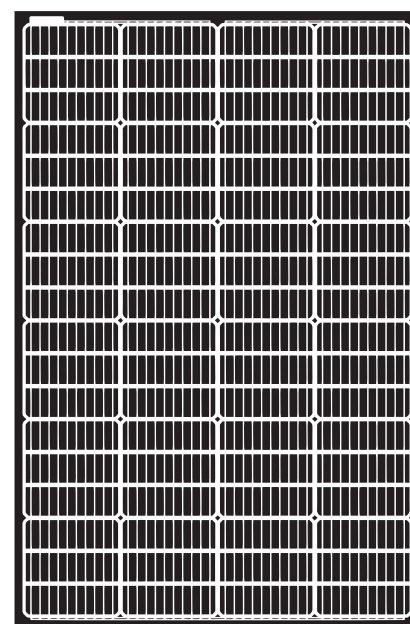
Certified to withstand - wind load (2400Pa) and snow load (5400Pa).

■ 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-M180W/LH4
Peak Power – Pmax (W)	180.00
Max. Power Voltage – Vmp (V)	20.88
Max. Power Current – Imp (A)	8.62
Open Circuit Voltage – Voc (V)	24.80 ±3%
Short Circuit Current – Isc (A)	9.15 ±3%
Module Efficiency (%)	19.90

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

Temperature & Maximum Rating

Model No.	SY3-M180W/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-M180W/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	40 pcs

SYMMETRY Product Specifications

160 Watts

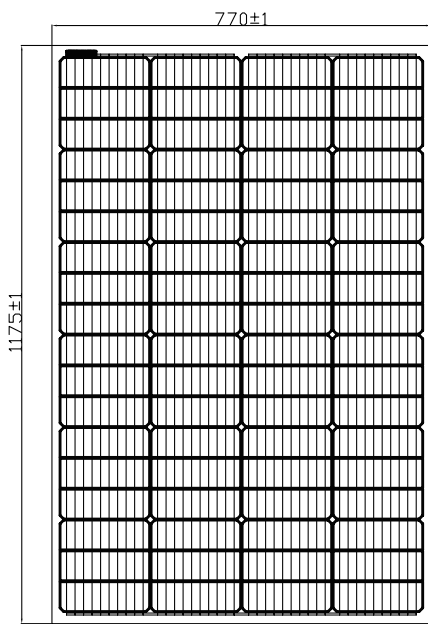
SY3-M160W/LH4



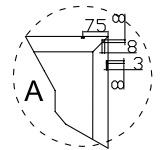
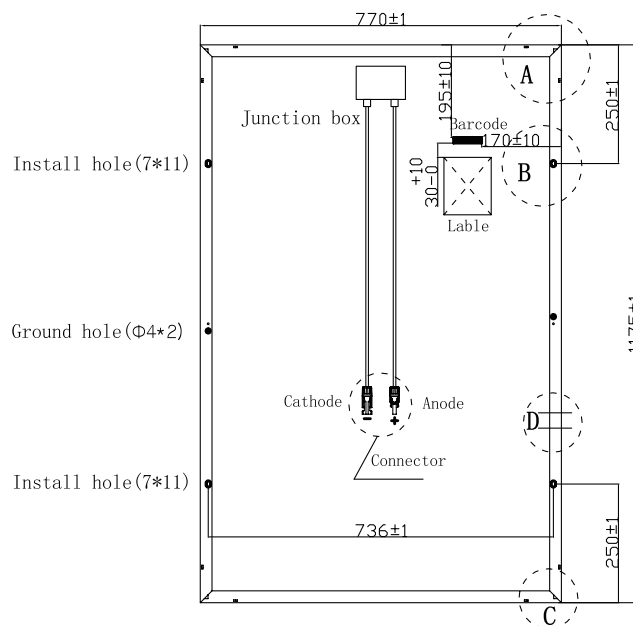
Product Standards

Model No.	SY3-M180W/LH4
Product Performance	IEC61215
Product Safety	IEC61730
Warranty	5 Years

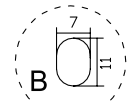
Product Dimensions (mm)



Front



Drainage hole



Install hole (7*11)



Frame cross-section

