



Technical manual

ELERIX SOLAR PANEL

Off Grid Small Size Modules
200Wp White



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EXS-200MHC-W

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ELERIX Off Grid Small Size Modules 200Wp

Key Features

- ▶ High efficient mono-crystalline cells connected in series
- ▶ Superior manufacturing technology to meet high standard of module conversion efficiency
- ▶ IP65 or 67 water proof junction box is available for long term weather endurance
- ▶ Salt mist, ammonia and blowing sand resistance, apply to seaside, farm and desert areas
- ▶ Positive power tolerance up to 5w delivers high power generation
- ▶ Selective materials and rigid process effectively control Potential Induced Degradation (PID)
- ▶ Total quality control and complete traceability of Material by Shop Floor Control (SFC)
- ▶ Outstanding electrical performance under high temperature and low-irradiance

Warranty

25 Years Power Performance:



- ▶ 12 years for 90% minimum power output
- ▶ 25 years for 80% minimum power output



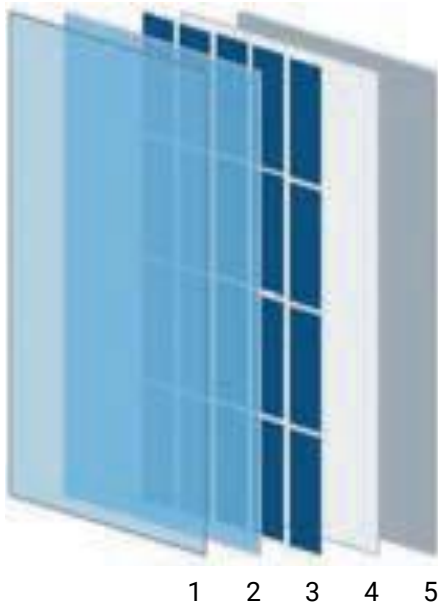
10 Years for Product Workmanship and Materials

Certification

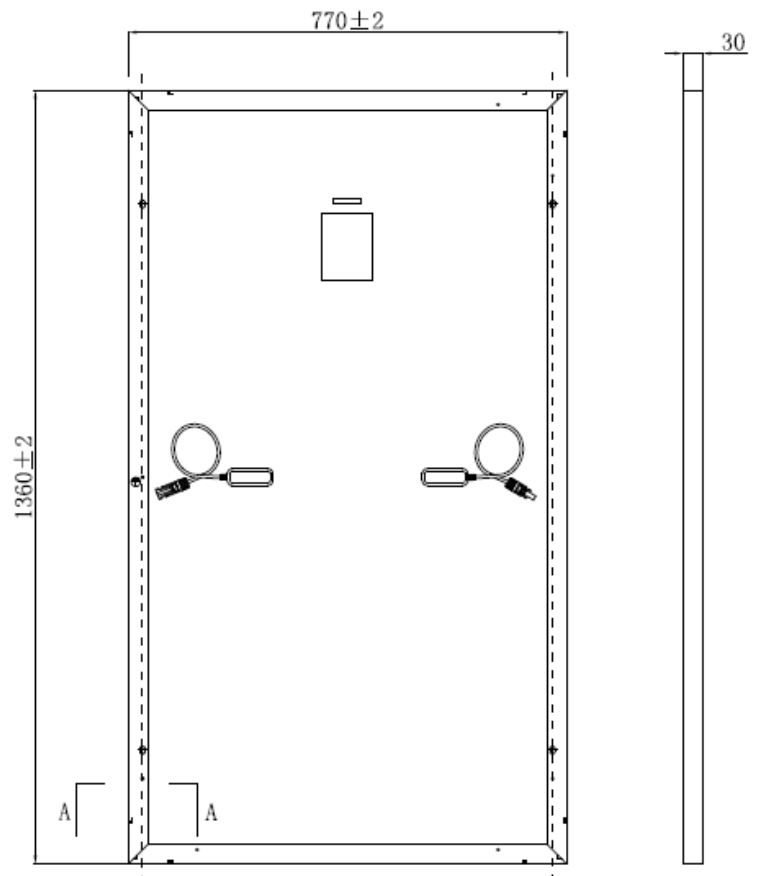
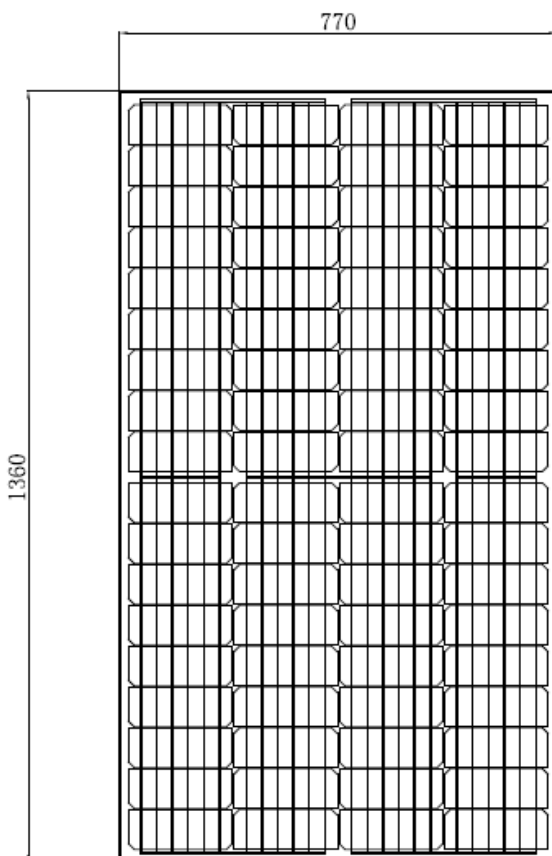


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- 1) Tempered Glass
- 2) EVA (Ethylene Vinyl Acetate)
- 3) Solar Cells
- 4) EVA (Ethylene Vinyl Acetate)
- 5) Back sheet



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Electrical Specification	EXS-200MHC-W
Maximum Power (Pmax)	200 W
Module Efficiency	19.1%
Open Circuit Voltage (Voc)	22.32 V
Short Circuit Current (Isc)	11.25 A
Maximum Power Voltage (Vmp)	18.20 V
Maximum Power Current (Imp)	10.99 A
Maximum System Voltage	1000 (TUV)
Maximum Series Fuse Rating (A)	15 A
Power Tolerance	0 ~ +5 W

Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.
The NOCT is obtained under the Test Conditions: 800W/m², 20°C ambient temperature, AM.
1.5 Spectrum, 1 m/s wind speed.

Mechanical Specification	
Module Dimension (mm)	1360x770x30 mm
Cell Type and Size	Mono-crystalline, 182*70 mm
Number of Cell	72 (4*9*2)
Glass Thickness (mm)	3.2
Weight (kgs)	10.5
Maximum Load (TUV) (Pascal)	5400/2400
Junction Box	IP65 or IP 67 rated
Cable length	300 mm, 1x2.5 mm ²
Loading	1472 pcs/40' HQ

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Temperature Characteristic

Nominal Operating Cell Temperature	-40 ~ +85°C
Nominal Operating Cell Temperature (NOCT)	45 ± 2°C
Temperature Coefficient (Pmax)	-0.387% /°C
Temperature Coefficient (Voc)	-0.282% /°C
Temperature Coefficient (Isc)	0.041% /°C

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