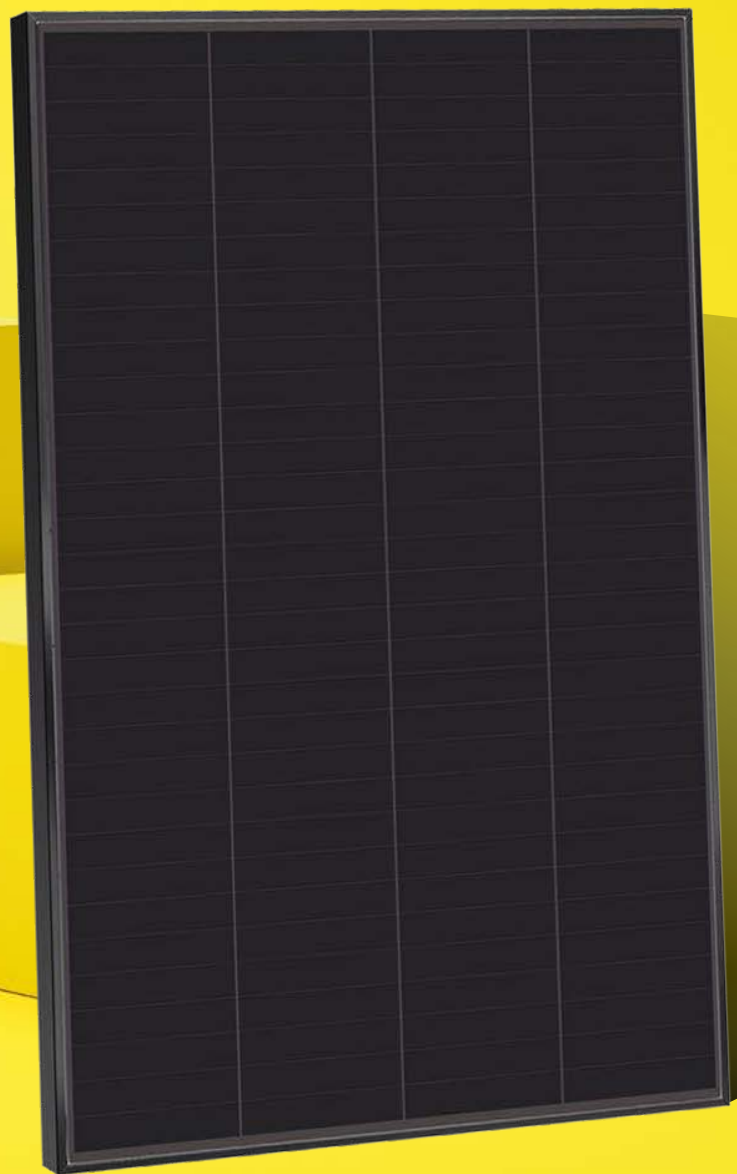




Technical manual

ELERIX SOLAR PANEL

ELERIX solar panel Mono PERC Shingled
135Wp



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EXS-135M-BSH

ELERIX SOLAR PANEL

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135Wp



ELERIX solar panel Mono PERC Shingled 135Wp

Features

- ▶ High efficient shingled 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

- ▶ 10 Years for Product Workmanship and Materials
- ▶ 25 Years Power Performance:
 - 12 years for 90% minimum power output
 - 25 years for 80% minimum power output

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Certification



Physical Specification



- 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

Model Type	EXS-135M-BSH
Maximum Power (Pmax)	135W
Module Efficiency	22.00%
Open Circuit Voltage (Voc)	21.96V
Short Circuit Current (Isc)	7.88A
Maximum Power Voltage (Vmp)	18.6V
Maximum Power Current (Imp)	7.26A
Maximum System Voltage	1000V (TUV)
Maximum Series Fuse Rating (A)	10A
Power Tolerance	0 ~ +5W

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, 1m/s wind speed.

Mechanical Specification

Module Dimension (mm)	1020x665x30mm
Cell Type	Mono-crystalline
Number of Cell	4x32
Glass Thickness (mm)	3.2
Weight (kgs)	8
Maximum Load (TUV) (Pascal)	5400
Junction Box	IP65 or IP 67 rated;

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Temperature Characteristics

Operating Temperature	-40 ~ +85°C
Nominal Operating Cell Temperature (NOCT)	45 ± 2°C
Temperature Coefficient (Pmax)	-0.38% / °C
Temperature Coefficient (Voc)	-0.31% / °C
Temperature Coefficient (Isc)	0.03% / °C

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