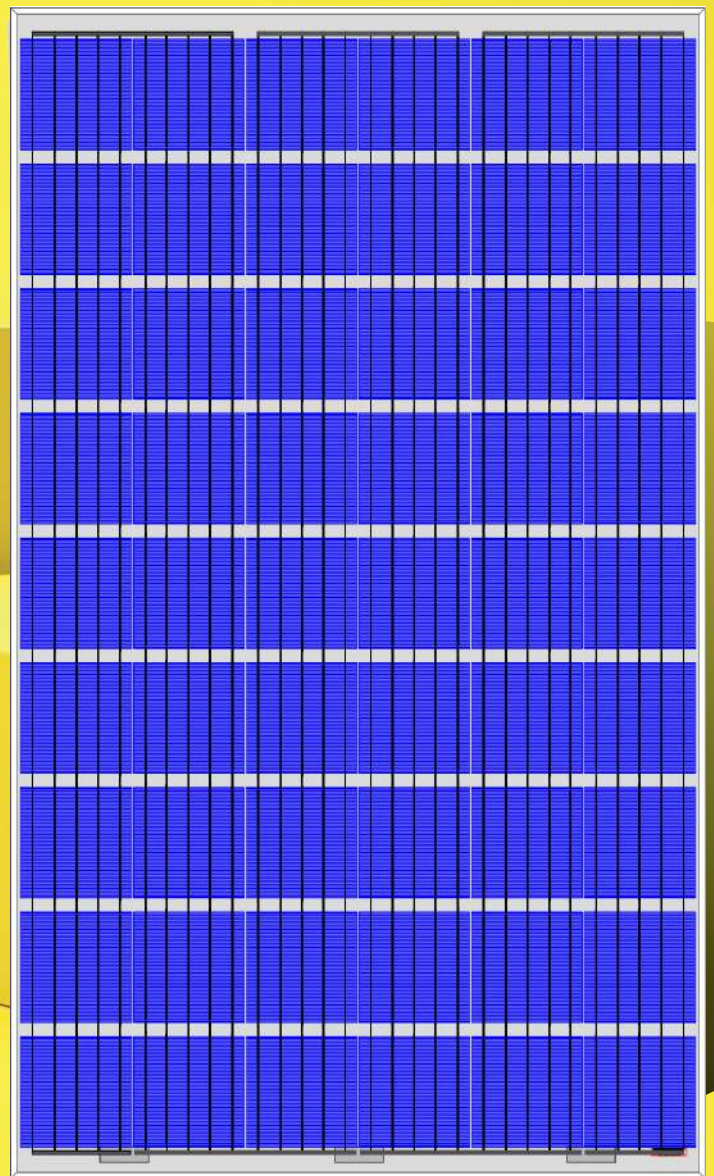




Technical manual

ELERIX SOLAR PANEL

Bifacial transparent back sheet BIPV
300Wp



www.elerix.com

[PRODUCT WEBPAGE >](#)

EXS-300BIPV-T

ELERIX SOLAR PANEL

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ELERIX Bifacial transparent back sheet BIPV 300Wp

Key Features

- ▶ Bi-facial high efficient mono-crystalline cells connected in series
- ▶ Bigger cell spacing to let more sunlight pass through the module
- ▶ IP65 or 67 water proof junction box is available for long term weather endurance
- ▶ Apply to roofs or facades
- ▶ 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



ELERIX SOLAR PANEL

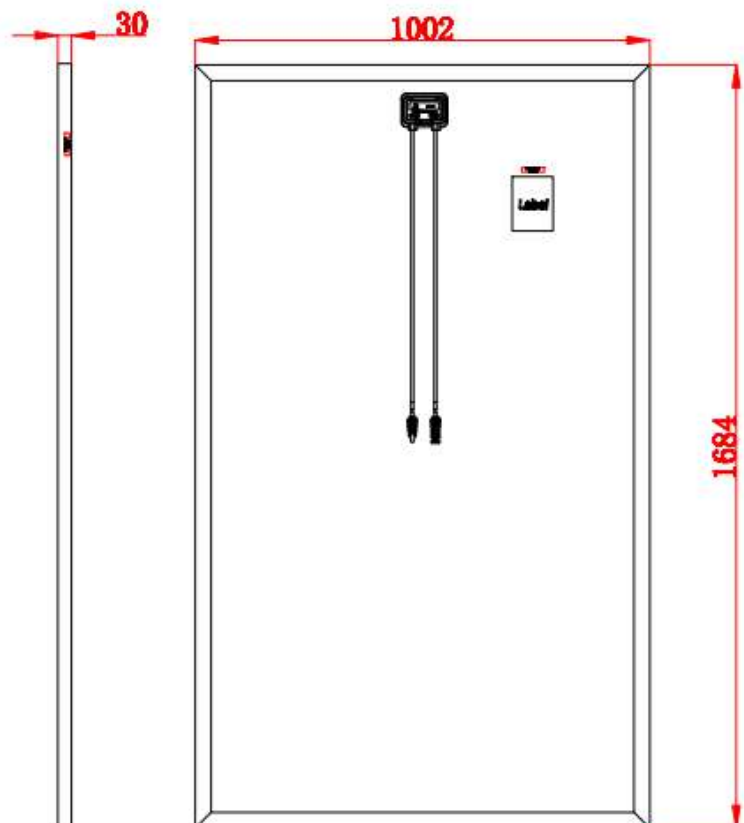
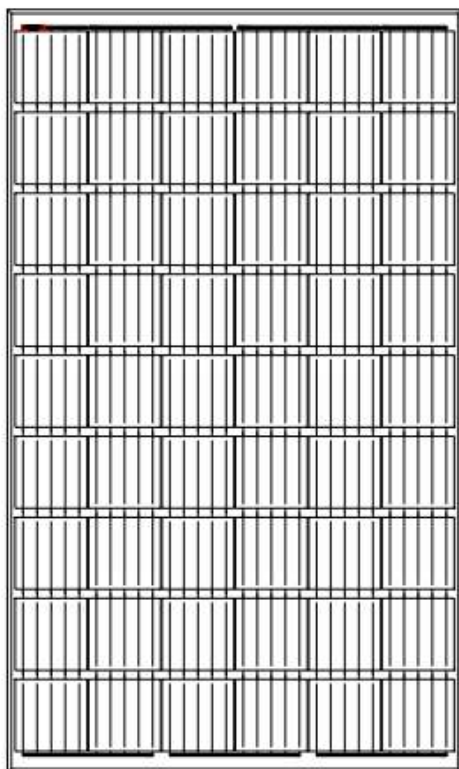


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1 2 3 4 5

- 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-300BIPV-T
Maximum Power (Pmax)	300 W
Module Efficiency	17.78%
Open Circuit Voltage (Voc)	36.88 V
Short Circuit Current (Isc)	10.06 A
Maximum Power Voltage (Vmp)	31.35 V
Maximum Power Current (Imp)	9.57 A
Maximum System Voltage	1500 (TUV)
Maximum Series Fuse Rating (A)	25 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)	1684x1002x30 mm
Cell Type and Size	Mono-crystalline, 158*158 mm
Number of Cell	54 (6*9)
Glass Thickness (mm)	3.2
Weight (kgs)	17
Maximum Load (TUV) (Pascal)	5400/2400
Junction Box	IP65 or IP 67 rated
Cable length	300 mm, 1x2.5 mm ²
Loading	936 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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