



Technical manual

ELERIX SOLAR PANEL

Mono Crystalline Solar Module
340Wp



www.elerix.com

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EXS-340M-B

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Key Features



Excellent module efficiency up to: 20.88%



IP68 junction box for long-term weather endurance



Heavy snow load up to 5400 Pa, wind load up to 3600 Pa



PID: Selected material and stringent quality system ensure PID free



Applicable to harsh environment of deserts, farmlands and seashores



Much lower risk of Hot Spot

Warranty

Linear power output warranty



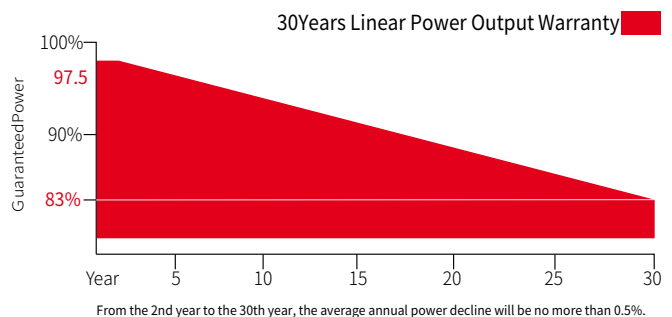
► 12 years minimum 92% power output

► 30 years minimum 83% power output



Product warranty on materials
and workmanship

According to the applicable ELERIX
Limited Warranty Statement



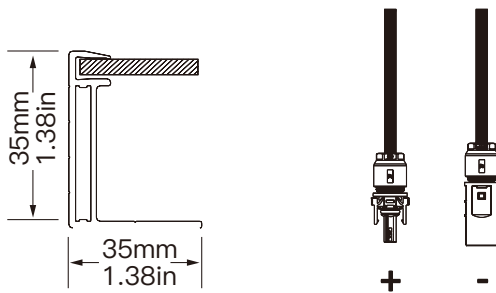
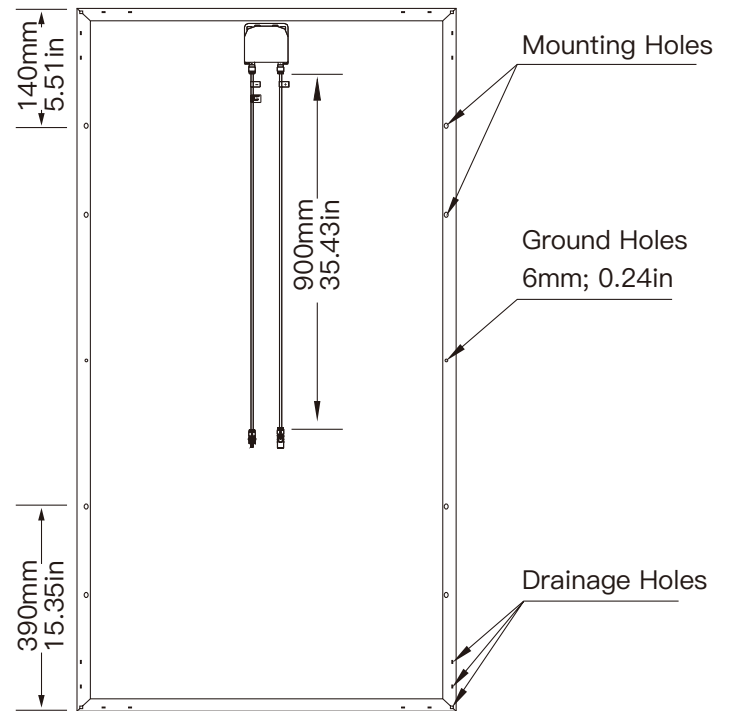
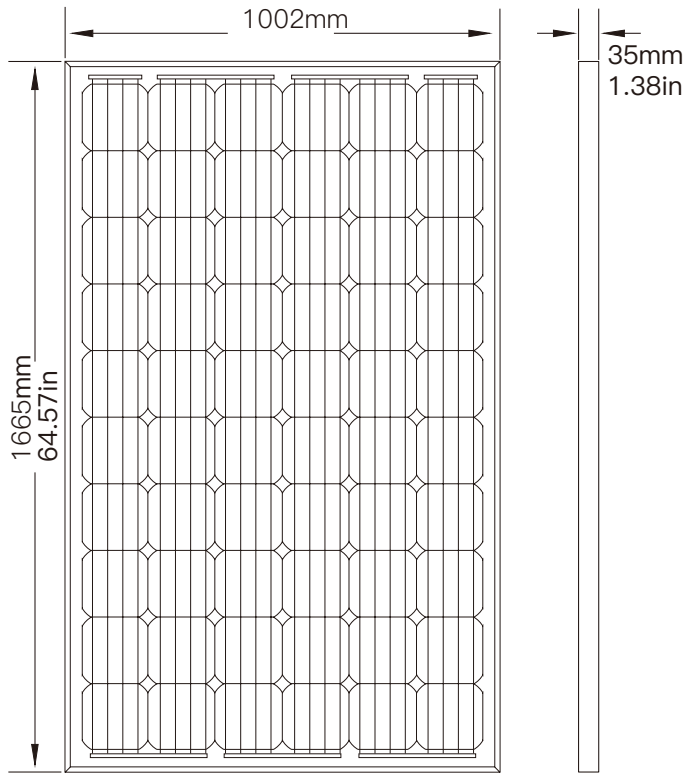
Certification



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Electrical Specification	EXS-340M-B
Maximum Power (Pmax)	340W
Module Efficiency	20.88%
Open Circuit Voltage (Voc)	41.70V
Short Circuit Current (Isc)	10.50A
Maximum Power Voltage (Vmp)	34.20V
Maximum Power Current (Imp)	9.94A
Maximum System Voltage	ICE 1500V (VDC)/UL1500V (VDC)
Maximum Series Fuse Rating	20A

Electrical Data@Noct	EXS-340M-B
Pmax (W)	253.00
Vmp (V)	32.20
Imp (A)	7.85
Voc (V)	38.60
Isc (A)	8.83

NOCT: Irradiance: 800W/m², Ambient Temperature: 20°C, Air Mass: 1.5, Wind Speed: 1m/s.

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Mechanical Specification

Solar Cell Type	Mono Cr stalline Solar Module 156x156mm
Number of Cells	60pcs (6x10)
Module Size	1665*1002*35mm
Weight	18.0kg
Glass	3.2mm tempered glass
Back Sheet	White or Black
Frame	Anodized aluminum alloy frame, silver or black
Junction Box	IP68
Connector	MC4 Compatible
Wind/Snow Load	3600pa/5400pa

Temperature Characteristics

NMOT (Nominal Module Operating Temperature)	45 °C (+/- 2 °C)
Temperature Coefficient (Pmax)	-0.39% / °C
Temperature Coefficient (Voc)	-0.30% / °C
Temperature Coefficient (Isc)	0.05% / °C

Packaging Configuration

Quantity per box:	30 pieces
Quantity per 20GP:	360 pieces
Quantity per 40HQ:	910 pieces

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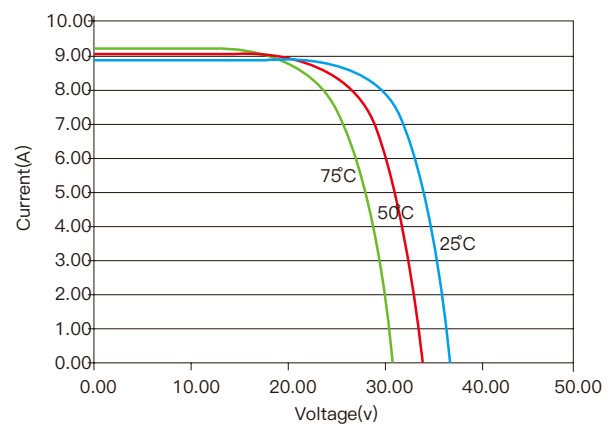
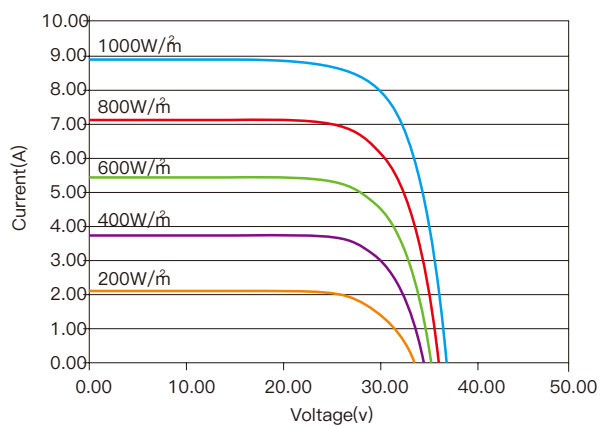
Maximum Rating

Operational Temperature	-40 to +85 °C
Myximum system Voltage	1500V DC (IEC) 1500V DC (UL)
Max Series Fuse Rating	20A
Snow Load	5400Pa (3600Pa)
Wind Load	3600Pa (1600Pa)

*design load with safety factor 1.5

(DO NOT connect Fuse in Combiner 'Box with two or more strings in parallel connection)

IV Curve



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