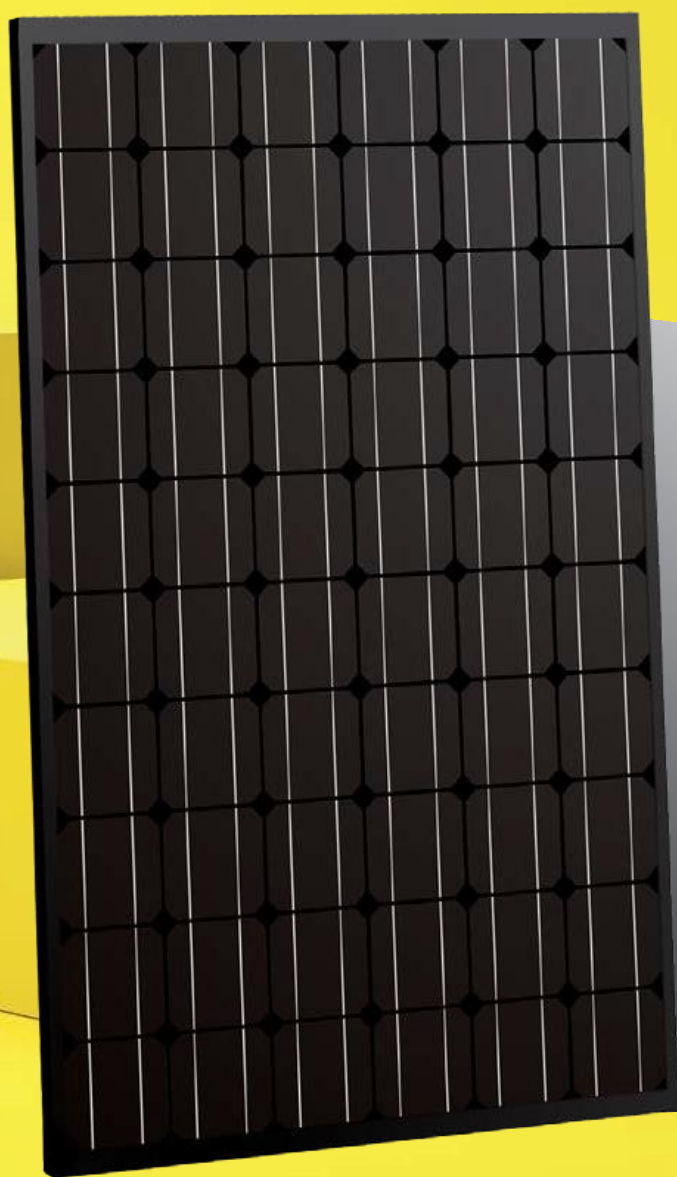




Technical manual

ELERIX SOLAR PANEL

Mono Crystalline Solar Module
320Wp Black



www.elerix.com



ELERIX SOLAR PANEL



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Key Features



Excellent module efficiency 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

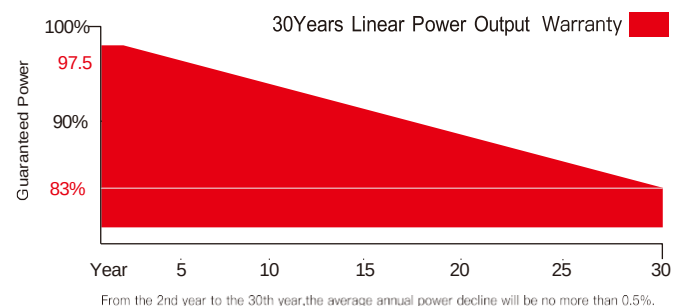
Linear power output warranty



- ▶ 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



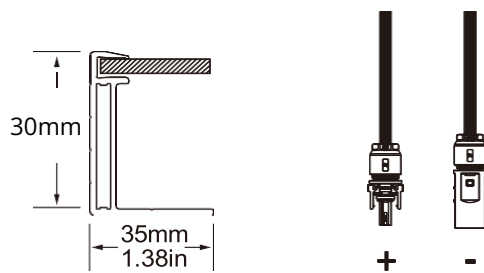
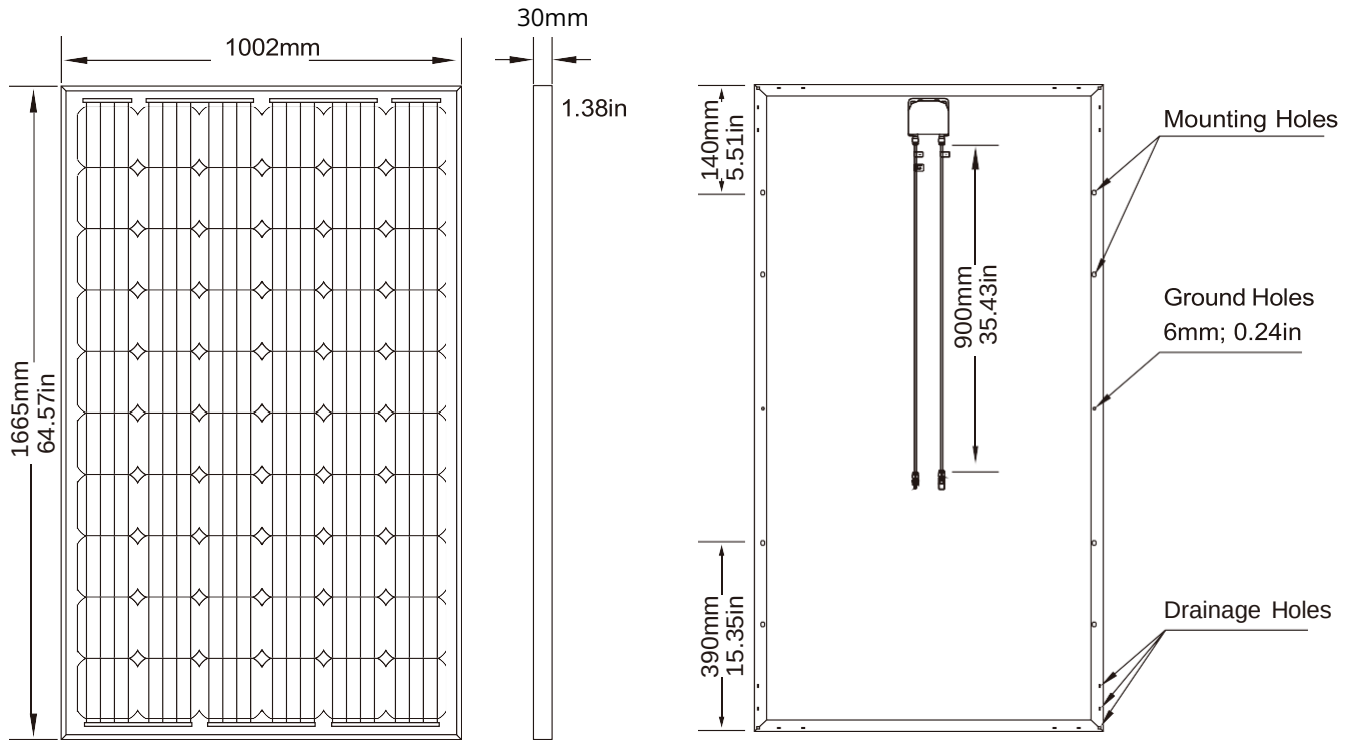
Certification



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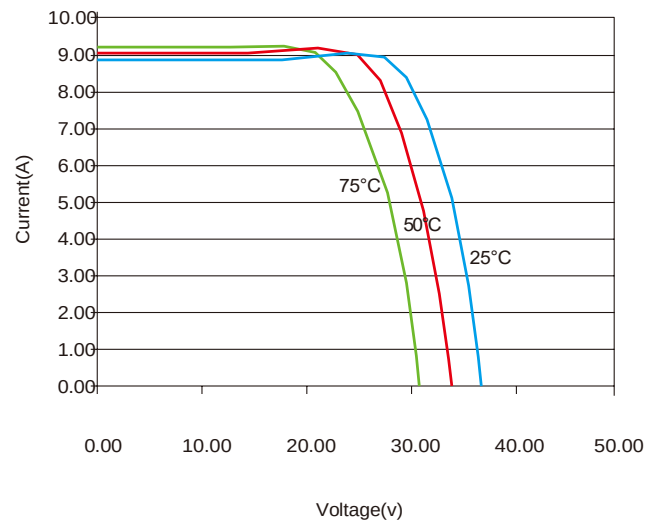
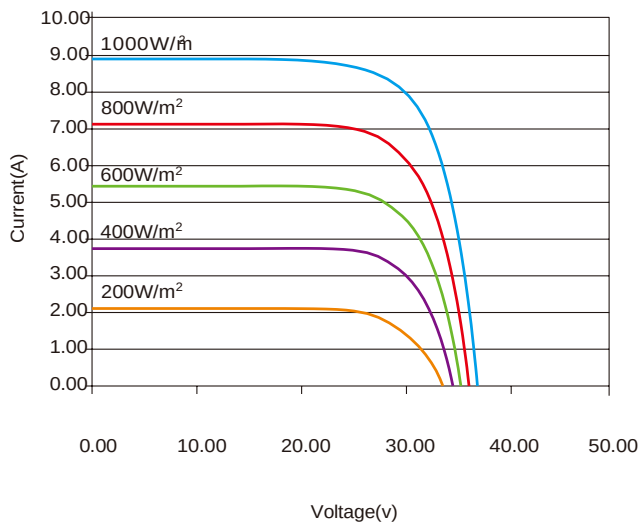


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IV CURVE



Electrical Specification

EXS-320M-FB

Maximum Power (Pmax)	320 W
Module Efficiency	20,88 %
Open Circuit Voltage (Voc)	40.90 V
Short Circuit Current (Isc)	10.15 A
Maximum Power Voltage (Vmp)	33.40 V
Maximum Power Current (Imp)	9.59 A
Maximum System Voltage	ICE 1500 VDC/UL 1500 (VDC)
Maximum Series Fuse Rating	20

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Electrical DATA@NOCT	EXS-320M-FB
Pmax [W]	239
Vm [V]	31.40
Imp [A]	7.62
Voc [V]	37.80
Isc [A]	8.44

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

Mechanical Specification	
Solar Cell Type	Mono Cr stalline Solar Module 156x156 mm
Number of Cells	60 pcs (6x10)
Module Size	1665*1002*30 mm
Weight	18.0 kg
Glass	3.2 mm tempered glass
Back Sheet	Black
Frame	Anodized aluminium alloy frame, silver or black
Junction Box	IP68
Connector	MC4 Compatible
Wind/Snow Load	3600pa/5400pa

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Packaging Configuration

Modules per box	36 pieces
Number per 20GP	360 pieces
Modules per 40' HQ	910 pieces

Temperature Characteristic

NMOT (Nominal Module Operating Temperature)	45°C ($\pm 2^\circ\text{C}$)
Temperature Coefficient of P_{MAX}	- 0.39% / °C
Temperature Coefficient of U_{OC}	- 0.30% / °C
Temperature Coefficient of I_{SC}	0.05% / °C

Maximum Ratings

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

*design load with safety factor 1.5 (DO NOT connect Fuse in Combiner Box with two or more strings in parallel connection)

Are you interested in more details?

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