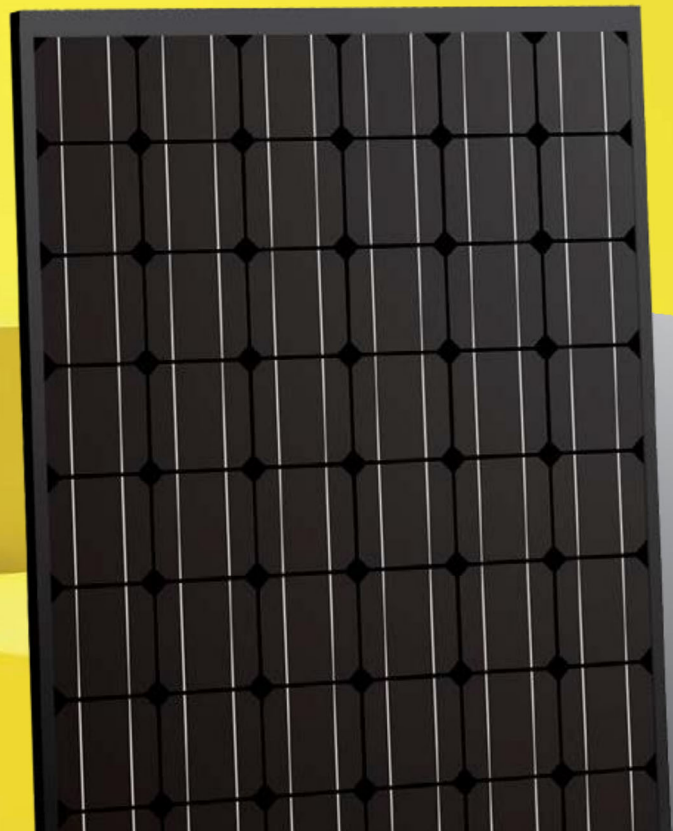




Technical manual

ELE RIX SOLAR PANEL

Mono Crystalline Solar Module
320Wp Black



ELERIX SOLAR PANEL

Mono Crystalline Solar Module
320Wp black



ELERIX Mono Crystalline Solar Module 320Wp Black

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

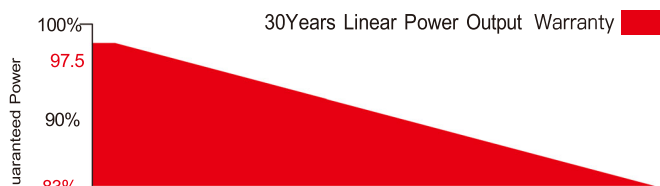
Linear power output warranty



- ▶ 12 years minimum 92% power output
- ▶ 30 years minimum 83% power output

Product warranty on materials

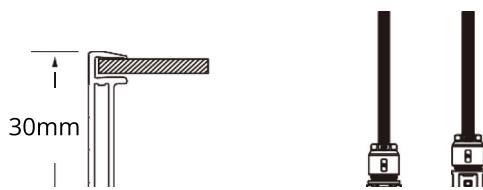
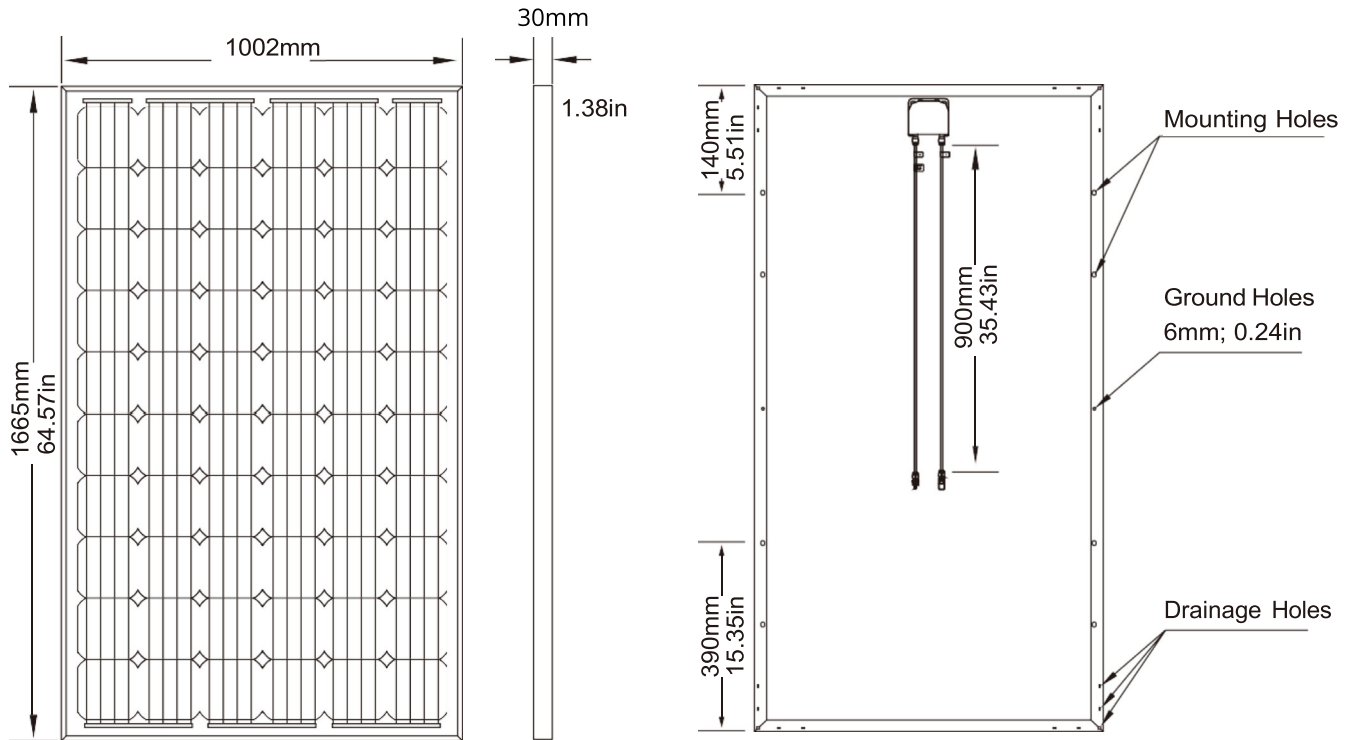
and workmanship



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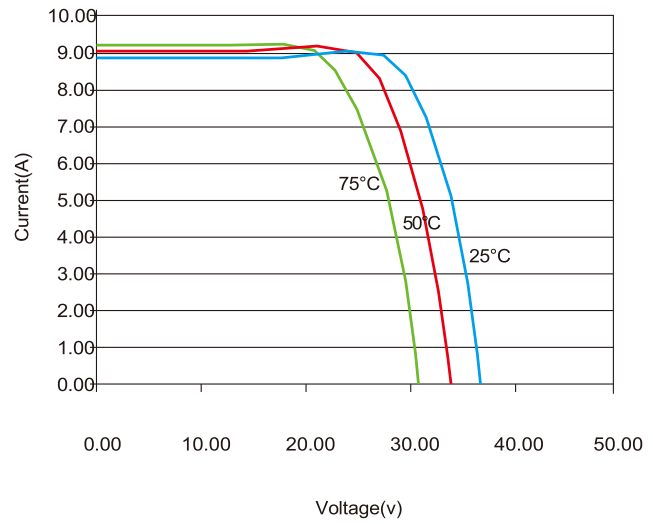
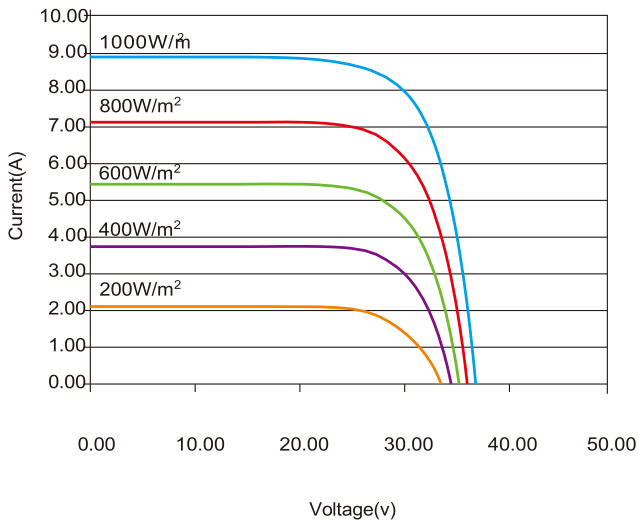


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IV CURVE



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

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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

ELERIX SOLAR PANEL



Mono Crystalline Solar Module
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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)