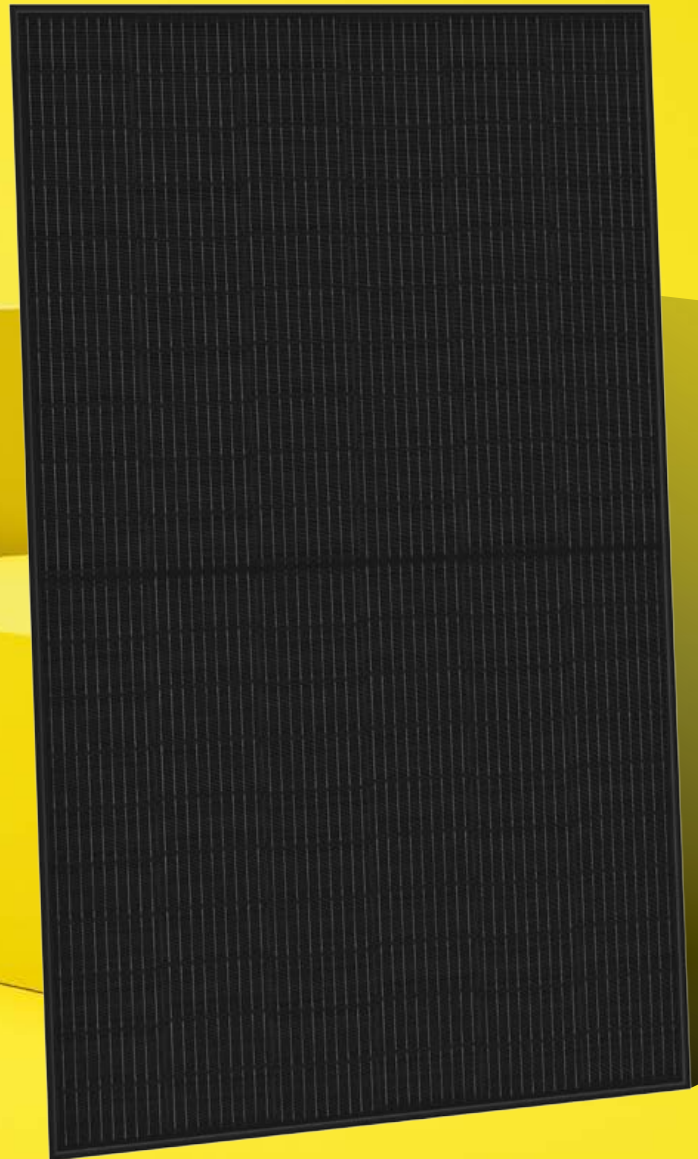




Technical manual

ELERIX SOLAR PANEL

Solar panel Mono, Half Cut, Black
380Wp



www.elerix.com

[PRODUCT WEBPAGE >](#)

EXS-380MHC-B







ELERIX SOLAR PANEL



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ELERIX solar panel Mono, Half Cut, Black 380Wp

Key Features

-  Excellent module efficiency up to: 20.90%
-  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

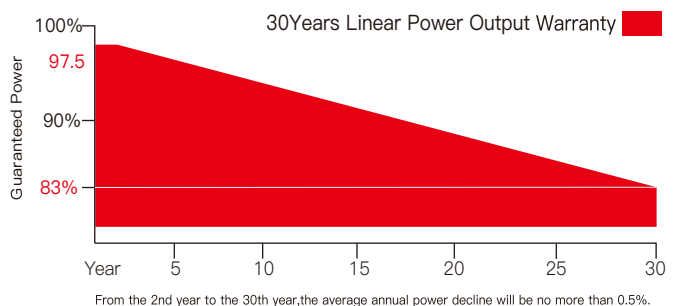
Linear power output warranty

30 years

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

12 years

Product warranty on materials and workmanship
According to the applicable ELERIX Limited Warranty Statement



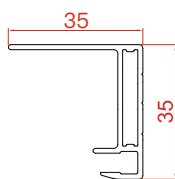
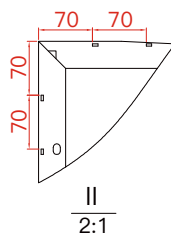
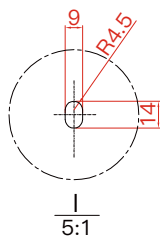
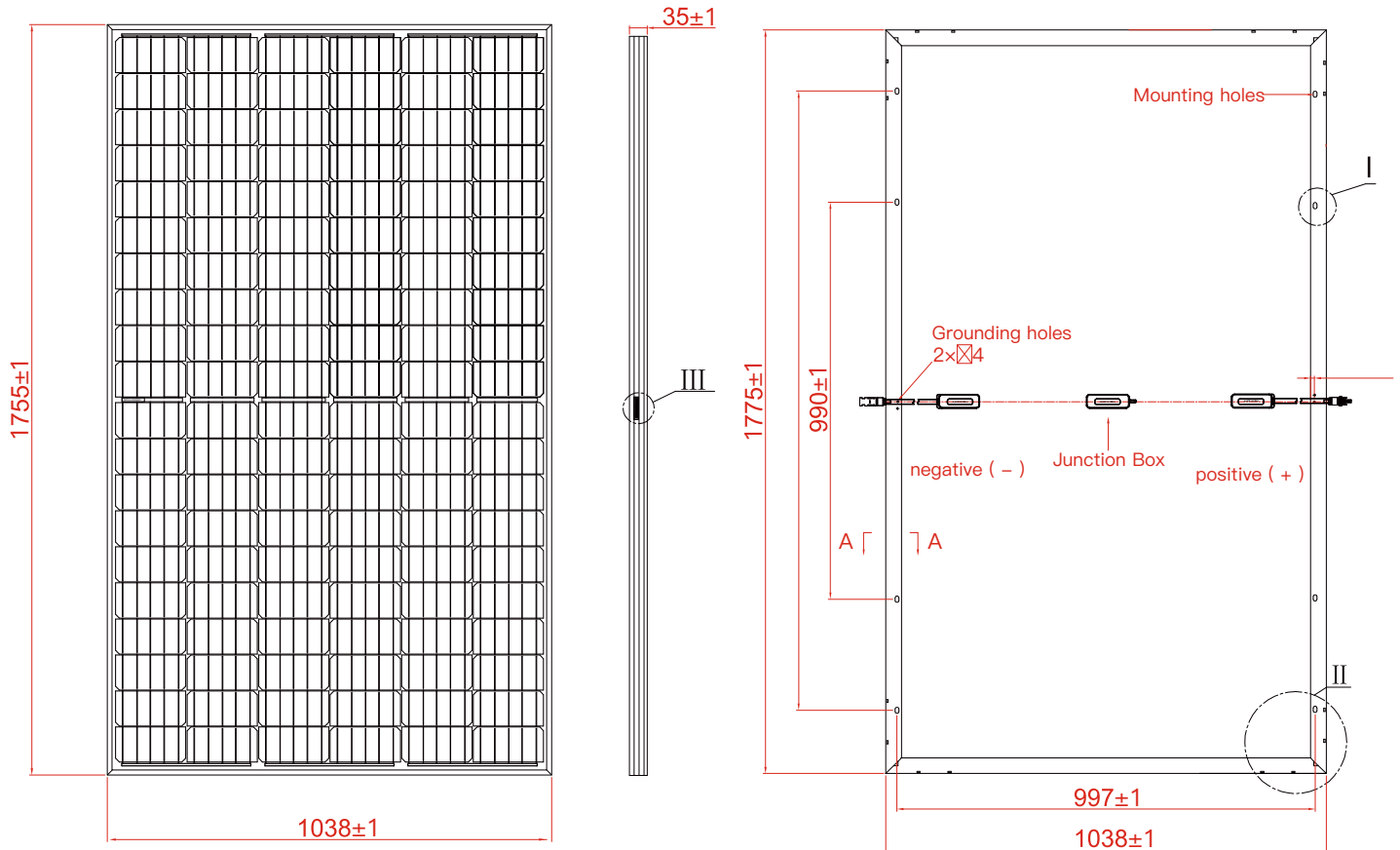
Certification



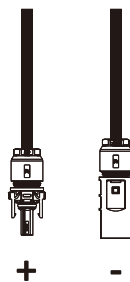
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Section A-A
10:1

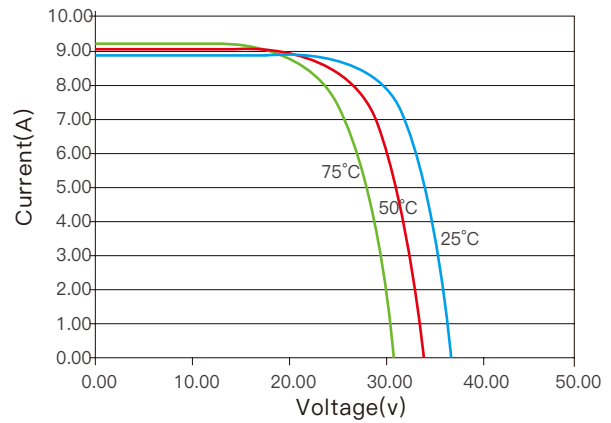
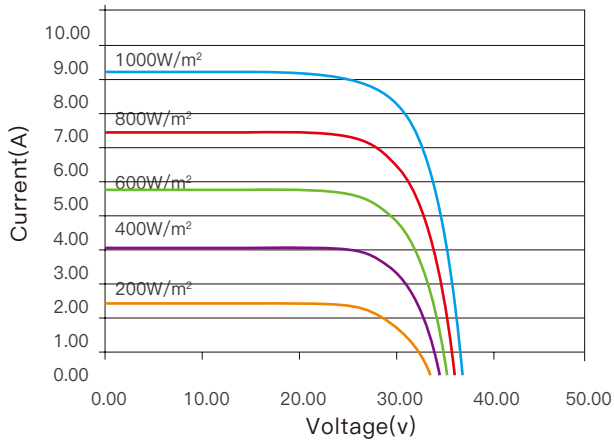


ELERIX SOLAR PANEL



Solar panel Mono, Half Cut, Black
380Wp

IV Curve



Electrical Specification	EXS-380MHC-B
Maximum Power (Pmax)	380W
Module Efficiency	20.90%
Open Circuit Voltage (Voc)	41.30V
Short Circuit Current (Isc)	11.69A
Maximum Power Voltage (Vmp)	34.80V
Maximum Power Current (Imp)	10.92A
Maximum System Voltage	ICE 1500V (VDC)/UL 1500V (VDC)
Maximum Series Fuse Rating	20A

ELERIX SOLAR PANEL



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380Wp

Electrical DATA@NOCT	EXS-380MHC-B
Pmax [W]	283.80
Vm [V]	32.40
Imp [A]	8.76
Voc [V]	38.70
Isc [A]	9.45

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

Mechanical Specification	
Solar Cell Type	Half Cut Mono Crystalline 166x166mm
Number of Cells	120pcs (20x6)
Module Size	1755*1038*35mm
Weight	20.5kg
Glass	3.2mm tempered glass
Back Sheet	Black
Frame	Anodized aluminum alloy, Black
Junction Box	IP68, three diodes
Quantity of Diodes	3pcs
Cable	4.0mm ² 1100mm
Connector	MC4 Compatible
Wind/Snow Load	3600pa/5400pa

ELERIX SOLAR PANEL

Solar panel Mono, PERC, Half Cut, Black
550Wp



Packaging Configuration

Modules per box	31 pcs
Number per 20GP	270 pcs
Modules per 40' HQ	780 pcs

Temperature Characteristic

NMOT (Nominal Module Operating Temperature)	41°C ($\pm 3^{\circ}\text{C}$)
Temperature Coefficient of P_{MAX}	- 0.36%/°C
Temperature Coefficient of U_{oc}	- 0.26%/°C
Temperature Coefficient of I_{sc}	0.04%/°C

Maximum Ratings

Operational Temperature	-40 to +85°C
Maximum System Voltage	1500V DC (IEC) 1500V DC (UL)
Max Series Fuse Rating	20A
Snow Load	54000Pa (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)

Are you interested in more details?
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