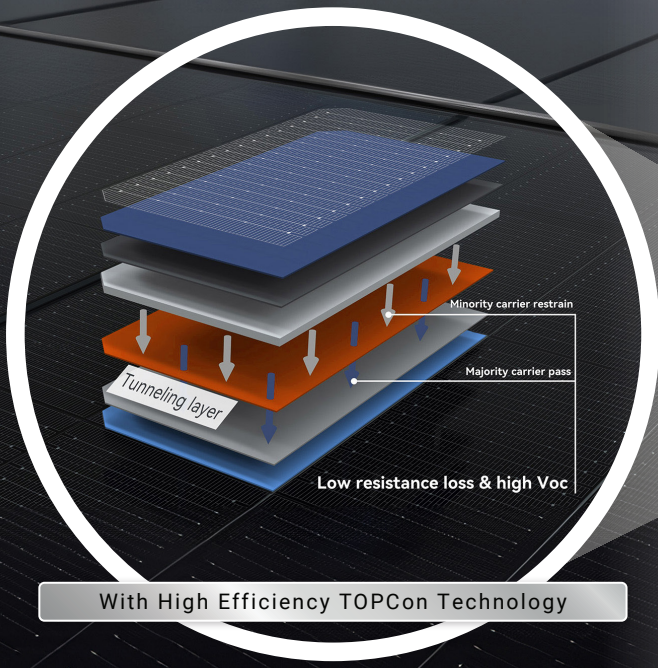


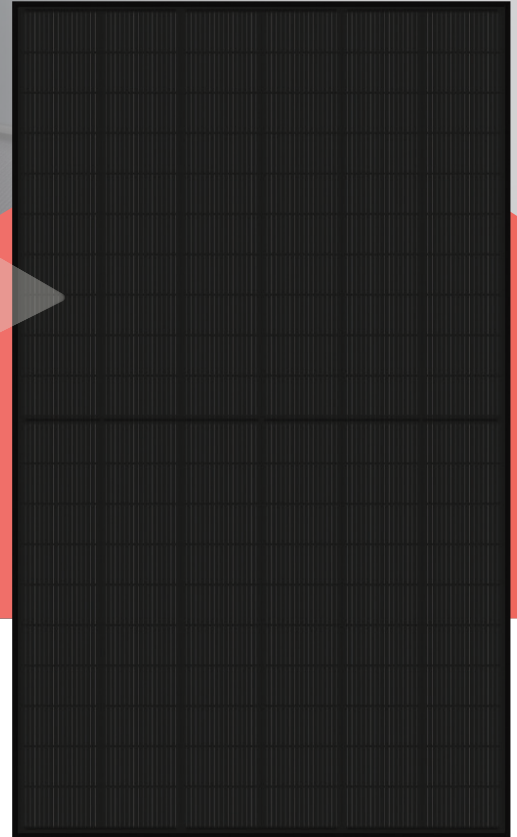
Evolution EVO MAX SUPER

EVO-PLM-480H8NB-120 SERIES

Half-Cell Mono Black Module



With High Efficiency TOPCon Technology



22.18%

MAX MODULE EFFICIENCY
AFTER INSTALLED

99

YEARS LIMITED
PRODUCT WARRANTY

230%

LONGER PERFORMANCE
WARRANTY*

*Our panels performance warranty is 230% longer than our competitors, the market average warranty is 30 years.

Key Benefits



High Power Output

Better light trapping and current collection to improve module power output and reliability.



Outstanding Low Light Performance

Higher power output even under low-light environments like on cloudy or foggy days.



Low LID (Light Induced Degradation)

Low LID naturally which can increase power generation.



Better Temperature Coefficient

Higher power generation under working conditions, thanks to passivating contact cell technology.



PID Resistance (Potential-Induced Degradation)

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control.



Enhanced Mechanical Load

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



Withstanding Harsh Environment

Reliable quality leads to a better sustainability even in harsh environment like desert, farm and coastline.



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*V1.1. Information correct as of 07/24 - contents can be subject to change without prior notice.

Evolution EVO MAX SUPER

EVO-PLM-480H8NB-120 SERIES



Half-Cell Mono Black Module

Electrical Properties (STC)

Power Output (Wp)	480
Voltage Mpp-Vmpp (V)	37.13
Current Mpp-Impp (A)	12.93
Voltage Open Circuit-Voc (V)	43.68
Short Circuit Current-Isc (A)	13.65
Module Efficiency (%)	22.18%

STC: Irradiance 1000W/m², Cell Temperature 25°C, AM 1.5

Electrical Properties (NOCT)

Power Output (Wp)	363.3
Voltage Mpp-Vmpp (V)	35.74
Current Mpp-Impp (A)	10.15
Voltage Open Circuit-Voc (V)	41.54
Short Circuit Current-Isc (A)	10.74

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

Mechanical Properties

Cell Size	182mm×91mm
Number Of Cells	120 [2× (10×6)]
Module Dimension	1908×1134×30mm(L×W×H)
Weight	23Kg±3%
Front Glass	High Transmission Glass 3.2mm
Frame	Anodized Aluminium Alloy
Junction Box	IP 68 (3 Diodes)
Cabel Length	TUV 1×4.0 mm ² , (+):1200mm/(-): 1200mm or Customized Length
Connector	Connector Stäubli MC4 EVO 2A

Packaging Configuration

Packing Type	40'HQ
Piece / Pallet	36
Piece / Container	864

Operating Properties

Operating Temperature	-40°C ~ +85°C
Maximum System Voltage	1500V DC (IEC)
Maximum Series Fuse Rating	25A
Power Tolerance	±3%

Temperature Coefficient

Temperature Coefficient Of Pmax	-0.30%/°C
Temperature Coefficient Of Voc	-0.25%/°C
Temperature Coefficient Of Isc	+0.046%/°C
Nominal Operating Cell Temperature (NOCT)	45±2°C

