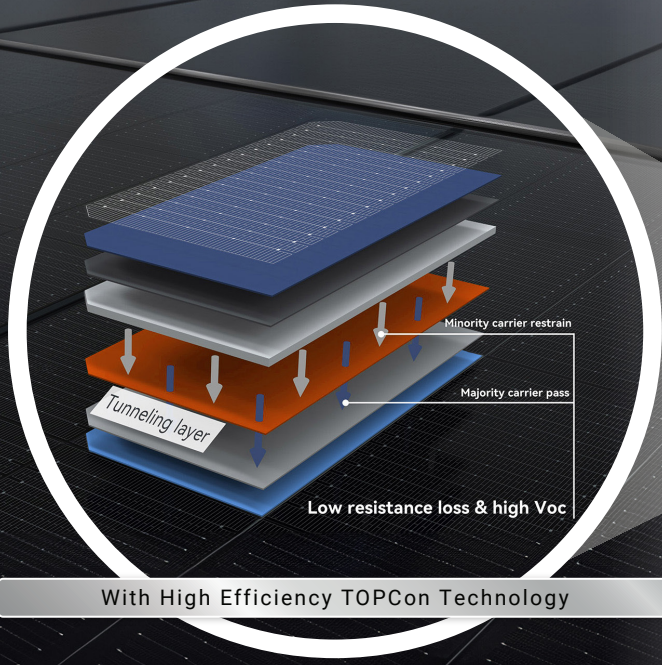


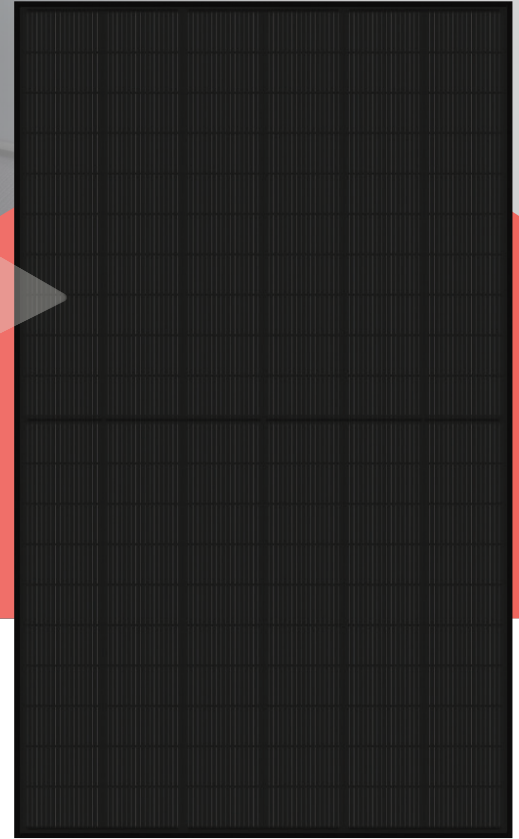
Evolution EVO MAXIMA

EVO-490DH8N-120 SERIES

Half-Cell Mono Black Module



With High Efficiency TOPCon Technology



25.00%

MAX MODULE EFFICIENCY
ACCORDING TO BSTC

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.
- Bifacial performance, 25% max module efficiency according to BSTC, bifaciality 80±5%.



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

- Mechanical performance up to 5400Pa positive load and 4000Pa negative load.



Sustainable Product

- High percentage of recyclable materials.



Unit 1, Lakes Court, Newborough Road, Needwood, Burton on Trent, Staffordshire, DE13 9PD
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*V1.2. Information correct as of 10/24 - contents can be subject to change without prior notice.

Evolution EVO MAXIMA

EVO-490DH8N-120 SERIES



Half-Cell Mono Black Module

Electrical Properties (STC)

Power Output (Wp)	490
Voltage Mpp-Vmpp (V)	36.86
Current Mpp-Impp (A)	13.30
Voltage Open Circuit-Voc (V)	43.88
Short Circuit Current-Isc (A)	13.86
Module Efficiency (%)	22.65%

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

Electrical Properties (NOCT)

Power Output (Wp)	370.9
Voltage Mpp-Vmpp (V)	35.49
Current Mpp-Impp (A)	10.45
Voltage Open Circuit-Voc (V)	41.72
Short Circuit Current-Isc (A)	10.91

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

Electrical Properties (BSTC)

Power Output (Wp)	541.1
Voltage Mpp-Vmpp (V)	36.86
Current Mpp-Impp (A)	14.68
Voltage Open Circuit-Voc (V)	43.88
Short Circuit Current-Isc (A)	15.30
Module Efficiency (%)	25.00%

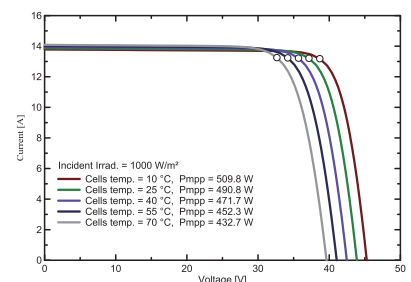
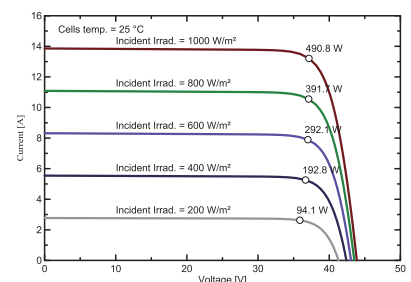
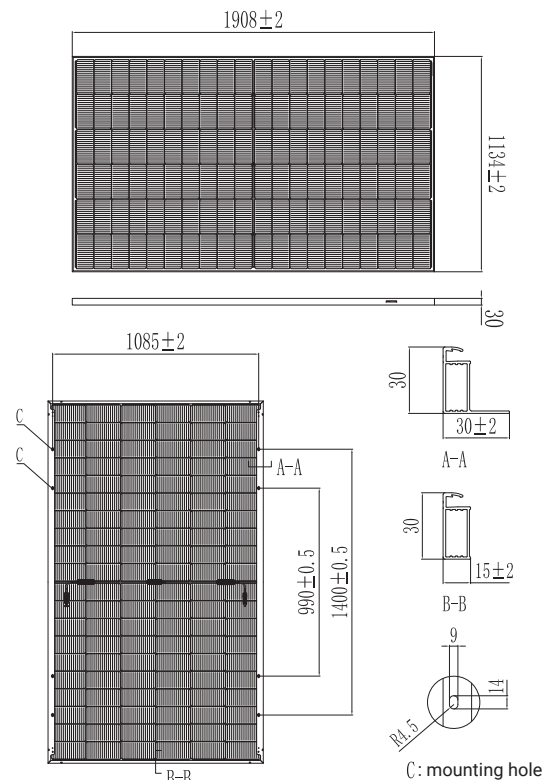
BSTC: Front side irradiation 1000W/m², back side reflection irradiation 135W/m², AM=1.5, ambient temperature 25°C.

Mechanical Properties

Cells	N Type Monocrystalline Cell
Number Of Cells	120 [2× (10×6)]
Module Dimension	1908×1134×30mm(L×W×H)
Weight	27.2Kg±3%
Front Glass	2.0mm High Transmittance, AR Tempered Glass
Rear Glass	Black Grid 2.0mm Semi-tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP 68 (3 Diodes)
Cabel Length	TUV 1×4.0 mm ² , (+):1200mm/(-): 1200mm or Customized Length
Connector	Stäubli MC4 EVO 2A

Operating Properties

Operating Temperature	-40°C ~ +85°C
Maximum System Voltage	1500V DC (IEC)
Maximum Series Fuse Rating	30A
Power Tolerance	±3%
Bifaciality	80±5%



Packaging Configuration

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

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