

Highlights



Assembled with multi-busbar cells, reduce shading effect on the energy generation, lower risk of hot spot.



Pass the test for weather resistance in harsh environments (salt mist, ammonia corrosion and sand).



Excellent encapsulating materials and strict production process to ensure highly resistance against PID (Potential Induced Degradation) of PV module.



Lower oxygen and carbon content result in lower LID.



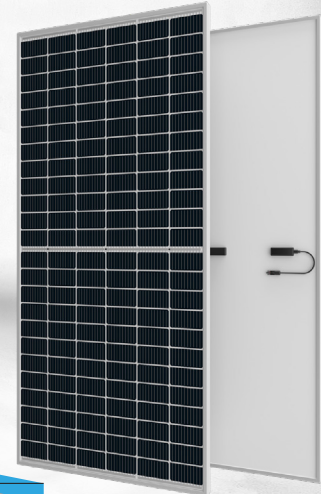
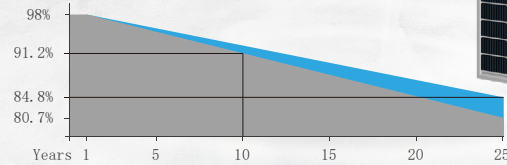
Series and parallel design, reduce the series resistance R_S of module, reduce the loss of internal electrical performance, and improve the power generation capacity of whole system.



Cutting solar cell technology, which significantly reduces string current and module damage, it is good choice for projects in high temperature areas.

Long-term Quality Assurance

Euronet Linear Power



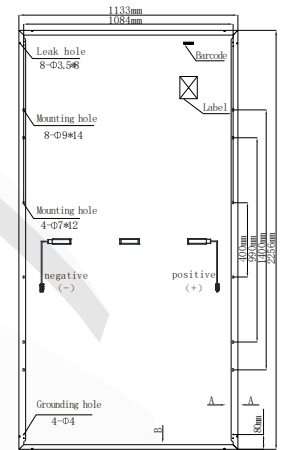
TECHNICAL SPECIFICATIONS

PHOTOVOLTAIC MODULE

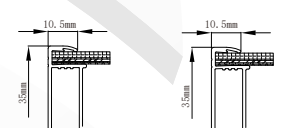
Solar Module Type: EU-450-BMA-HV

Maximum Power	(Pmax)	450W
Power Tolerance		0- +3W
Maximum Power Voltage		41.20 V
Maximum Power Current	(VMP)	10.92 V
Open Circuit Voltage	(Imp)	50.06 V
Short Circuit Current	(Voc)	11.47 A
Nominal Operating Cell Temp	(Isc)	45±2°C
Maximum System Voltage	(NOCT)	1500 VDC
Maximum Series Fuse Rating		20A
Operating Temperature		-40°C- +85°C
Application Class		A
Fire Class		C
Weight		23.5(Kg)
Dimension		2094*1038*35 (mm)
STC: 1000W/m ² , Am1.5, 25°C		

Module Dimension



Back View



Electrical performance parameters | STC

Power Output	Pmax (W)	450
Rated Power Maximum Voltage	Vmp (V)	41.20
Rated Power Maximum Current	Imp (A)	10.92
Open Circuit Voltage	Voc (V)	50.06
Short Circuit Current	Isc (A)	11.47
Module Efficiency	(%)	21.1
Power Tolerance	(W)	0~±3W

* STC : 1000W/m² irradiance, 25° C module temperature, AM1.5 spectrum.
Power measurement error +/- 3%

Electrical performance parameters | NMOT

Power output	Pmax (W)	337.8
Rated Power Maximum Voltage	Vmp (V)	37.82
Rated Power Maximum Current	Imp (A)	9.9
Open Circuit Voltage	Voc (V)	46.73
Short Circuit Current	Isc (A)	10.8

* NMOT: 800W/m² irradiance, 20° C module temperature, 1m/s wind speed.
Power measurement error +/- 3%

Structure Features

Solar Cell	182MONO (Half Cell)
Solar Cell Array	144 pcs (6x24)
Module Dimension	2094X1038X35mm
Weight	23.5 kg
Glass	3.2 mm (0.13 inches) highly transparent anti-reflection coating tempered glass
Back sheet	White
Frame	Anodized Aluminum Alloy
Junction Box	IP68 rated
Cable	4mm ² , L=300 mm, PV cable
Diode Quantity	3
Wind Pressure/Snow Pressure	2400pa / 5400pa
Connector	MC4 Compatible

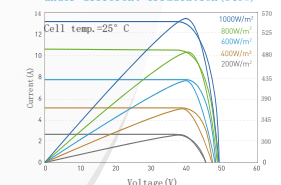
Temperature Characteristics

Solar Cells Rated Working Temperature	45±2°C
Temperature Coefficient (Isc)	+0.06%/°C
Temperature Coefficient (Voc)	-0.35%/°C
Temperature Coefficient (Pmax)	-0.38%/°C

Maximum Ratings

Working Temperature	-40~+85°C
Maximum System Voltage	1500V DC
Maximum Fuse Rated Current	20A

I-V curves/P-V curves of module under different irradiation (540w)



I-V curves of module under different temperature (540w)

