

Half-Cut PERC

> 410W

+21.3%

Module efficiency

Module efficiency up to 21.33 %



Half cut technology

Increased efficiency, reliability, and reduced hot spots and cell degradation



Avoid losses

Better shading tolerance



Load endurance

Front load 5400 Pa,
Back load 2400 Pa



Hail resistance

RG3/HW3 certified



Easy to handle

Comfortable installation thanks to an optimized area size



20 Years

Product Warranty

+5 years for Premium Partners

25 Years

Performance Warranty

Linear Warranty

3% First year degradation

0.71% Annual degradation

80% Power in year 25

Light up your world with Eurener

Eurener's extensive portfolio of certifications and awards is testament to our unwavering commitment to our partners and our deep sense of social and ethical responsibility.



Spanish Quality
Worldwide



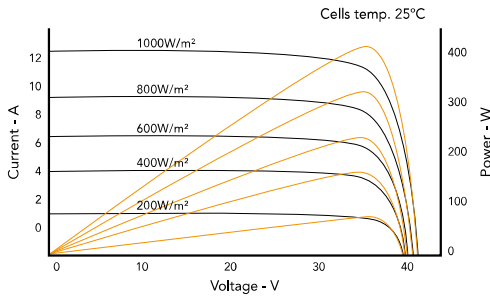
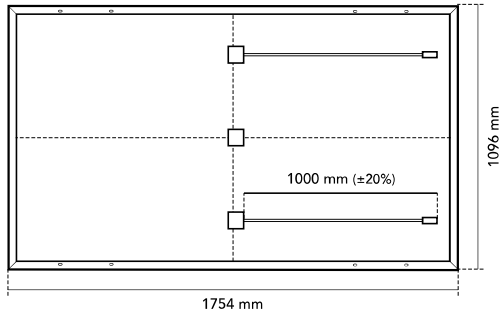
Awarded as TOP Brand PV
in -FR-SW-BE-UK-



EcoVadis
Platinum Medal



Eurener MEPV 120 — HALF-CUT 410W



Mechanical specification

Solar cells	Monocrystalline silicon cells
Front Glass	3.2 mm thick tempered glass with high strength and ARC
Frame	Black anodized aluminium
Junction Box	IP68, 3 by-pass diodes
Connector	Connector MC4 compatible
Cable	1000 mm (±20%) length and 4 mm ² section
Dimension	1754 x 1096 x 30 mm (±1%)
Area	1.92 m ²
Weight	21 kg
Packaging	936 pcs/truck

Temperature coefficients

Temperature coefficient of Isc (α)	0.04 %/°C
Temperature coefficient of Voc (β)	-0.25 %/°C
Temperature coefficient of Pmax (γ)	-0.34 %/°C
Temperature range	-40 °C ~ +85 °C
Nominal operating cell temperature (NOCT)	43 ± 2 °C

MEPV 410

Electrical characteristics	STC
Nominal power. Pmax	410 Wp
Short-circuit current (Isc)	12.40 A
Open-circuit voltage (Voc)	41.60 V
Maximum power current (Imp)	11.85 A
Maximum power voltage (Vmp)	34.60 V
Module efficiency	21.33 %
Electrical characteristics	NOCT
Nominal power. Pmax	310 Wp
Short-circuit current (Isc)	9.99 A
Open-circuit voltage (Voc)	39.10 V
Maximum power current (Imp)	9.46 A
Maximum power voltage (Vmp)	32.80 V

* STC: 1000 W/m², module temperature 25°C, AM 1.5
 * NOCT: 800 W/m², ambient temperature 20°C, AM 1.5

Operating parameters

Maximum voltage	1500 V
Maximum series fuse rating. Ir	20 A
Power output tolerance	0 - +3 %
Voc and Isc tolerance	± 3 %
Fire rating	Class C (UL 790)
Protection class	Class II (IEC 61140)
Mechanical loads	Front load 5400 Pa, Back load 2400 Pa

Corporate and product certificates

ECOVADIS rating - Platinum Medal (TOP 1%)
Solar Industry Forced Labor Prevention Pledge by SEIA
ISO9001:2015 - Quality Management Systems
ISO14001:2015 - Environmental Management System
WEEE compliance in Germany
PV CYCLE Italy
IEC 61215 - Terrestrial photovoltaic (PV) modules - Design qualification and type approval
IEC 61730 - Photovoltaic (PV) module safety qualification
IEC 61701 - Photovoltaic (PV) modules - Salt mist corrosion testing
IEC 62716 - Photovoltaic (PV) modules - Ammonia corrosion testing
IEC TS 62804 - Photovoltaic (PV) modules - Test methods for the detection of potential-induced degradation
Hail resistance HW3/RG3
Certificate of Factory Production Control (UK) - MCS
Fire reaction class: 1 - LAPI



NOTE: Read the safety and installation manual before using the product. This data sheet is not legally binding, Eurener reserves the right of final interpretation. Eurener reserves the right to change the product characteristics and/or specifications without prior notice. The latest versions of all documents can always be found on our website at www.eurener.com.

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European experts in residential modules

Since 1997 our main purpose has been to supply quality and long-lasting photovoltaic modules that allow us and future generations, to continue generating clean energy to take care of our planet.