



TRANSIZIONE
5.0



Nexa Plus TOPCon N-type

> 580W

+22.4%

Module efficiency

Module efficiency up to 22.47 %

+24.3%

Cell efficiency

Cell efficiency up to 24.32 %



Different designs

Black - Silver



PID resistance

Certified according to IEC TS 62804 standards



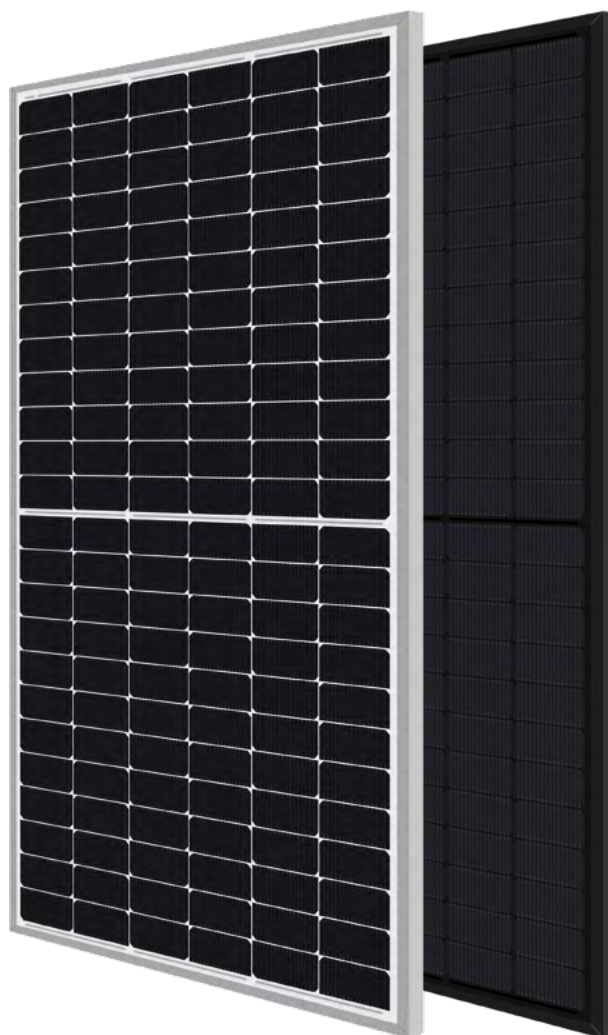
Salt mist resistance

Certified according to IEC 61701 standards



Increased PV surface

Higher power output for commercial and ground projects



25

Years

Product Warranty

30

Years

Performance Warranty

Linear Warranty

1% First year degradation

0.38% Annual degradation

88% Power in year 30

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



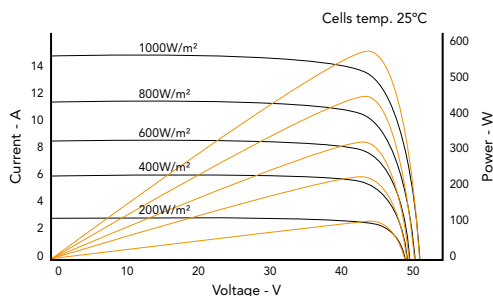
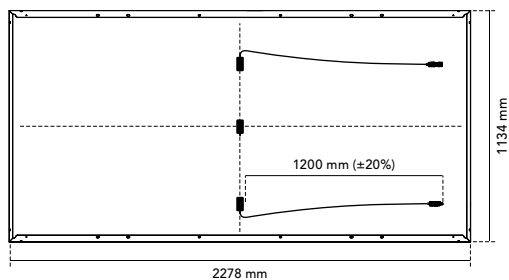
Awarded as TOP Brand PV
in -FR-SW-BE-UK-



EcoVadis
Platinum Medal



ESM580-72HM10 — NEXA Plus



Mechanical Specification

Solar cells	72 x 2 M10, N-Type monocrystalline silicon cells
Front Glass	3.2 mm thick tempered glass with high strength and ARC
Frame	Silver/black anodized aluminium
Junction Box	IP68, 3 by-pass diodes
Connector	Original MC4-Evo 2 / MC4 compatible
Cable	1200 mm (±20%) length and 4 mm² section
Dimension	2278 x 1134 x 30 mm (±1%)
Area	2.58 m²
Weight	28 kg
Packaging	720 pcs/truck

Temperature Coefficients

Temperature coefficient of I_{sc} (α)	0.045 %/°C
Temperature coefficient of V_{oc} (β)	-0.275 %/°C
Temperature coefficient of P_{max} (γ)	-0.29 %/°C
Temperature range	-40 °C ~ +85 °C
Nominal operating cell temperature (NOCT)	45 ± 2 °C

580

Electrical Characteristics

Nominal power. P_{max}	580 Wp
Short-circuit current (I_{sc})	14.49 A
Open-circuit voltage (V_{oc})	51.07 V
Maximum power current (I_{mp})	13.70 A
Maximum power voltage (V_{mp})	42.35 V
Module efficiency	22.47 %
Cell efficiency	24.32 %

Electrical Characteristics

Nominal power. P_{max}	436 Wp
Short-circuit current (I_{sc})	11.69 A
Open-circuit voltage (V_{oc})	48.38 V
Maximum power current (I_{mp})	10.99 A
Maximum power voltage (V_{mp})	39.70 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. I_r	25 A
Power output tolerance	0 - + 3 %
V_{oc} and I_{sc} tolerance	± 3 %
Fire reaction - CSI	Class 1 (UNI 9177)
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



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.

SINCE
1997
more than
energy

Headquarter
eurener.com
contact@eurenerworld.com
+34 960 045 515
Calle Colón, 1-23
46004, Valencia. Spain

Factory
Polígono Industrial Bierzo Alto
(A6 - Km 372)
Calle Las Canteras Par IE1
24318 Bemibre,
León. Spain

Italy
eurener.it
dg@eurener.it
+39 035 335196
Via Tre Venezia, 31C
24044 Dalmine, BG. Italy