



## Nexa Storm TOPCon N-type

FRONT SIDE

# 430 - 450W

› Double Glass Bifacial



**Hail resistance**  
RG4/HW4 certified



**Extreme load resistance**  
Maximum test load (snow) 15100 Pa



**Glass glass modules**  
Front: 3.2 mm | Back: 2 mm



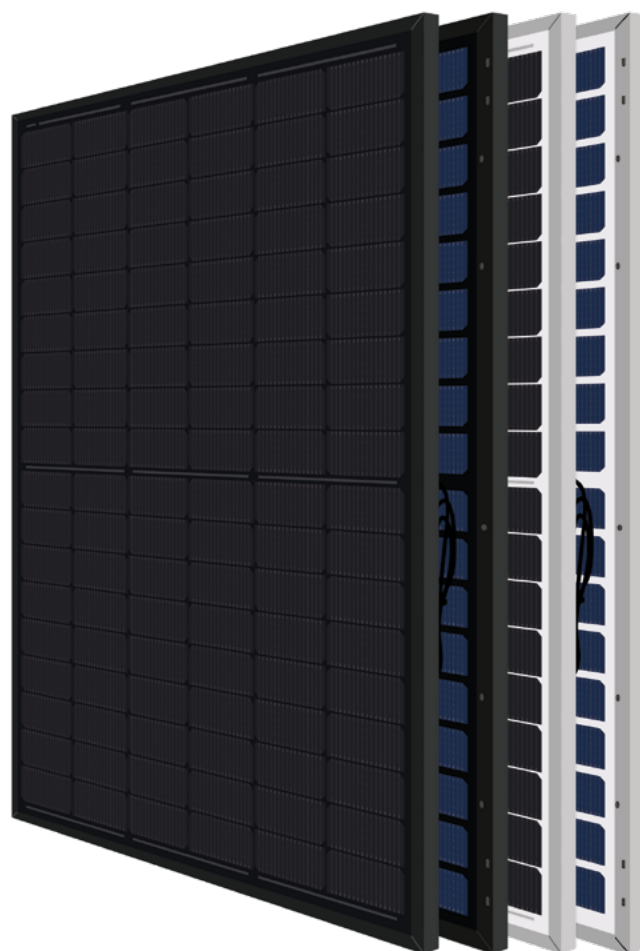
**Module efficiency**  
Module efficiency up to 23.04 %



**Bifacial cell**  
Bifaciality factor: 80 ± 5 %



**Original MC4 - Evo2**  
Extra security and reliability



# 25

Years

**Product Warranty**  
+5 years for Premium Partners

# 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



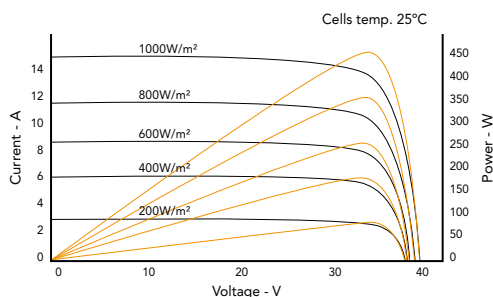
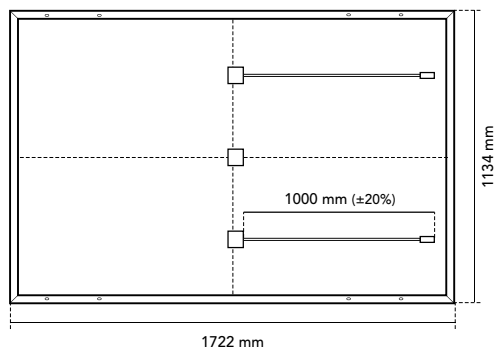
Awarded as TOP Brand PV  
in FR-SE-BE-CH-UK



EcoVadis  
Platinum Medal



## Eurener MEPV — NEXA STORM Double Glass Bifacial 430-450W



### Mechanical specification

Solar cells	N-Type bifacial monocrystalline silicon cells
Front Glass	3.2 mm anti-reflective surface tempered solar glass
Back Glass	2 mm tempered solar glass
Frame	Black/silver anodized aluminium
Junction Box	IP68, 3 by-pass diodes
Connector	Original MC4-Evo 2
Cable	1000 mm (±20%) length and 4 mm² section
Dimension	1722 x 1134 x 30 mm (±1%)
Area	1.95 m²
Weight	27 kg
Packaging	936 pcs/truck

### Temperature coefficients

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

	MEPV 430		MEPV 440		MEPV 450	
Electrical characteristics	STC	NOCT	STC	NOCT	STC	NOCT
Nominal power. Pmax	430 Wp	329 Wp	440 Wp	337 Wp	450 Wp	345 Wp
Short-circuit current (Isc)	14.26 A	11.47 A	14.37 A	11.61 A	14.52 A	11.75 A
Open-circuit voltage (Voc)	38.42 V	36.88 V	38.91 V	37.24 V	39.33 V	37.61 V
Maximum power current (Imp)	13.52 A	10.88 A	13.63 A	11.01 A	13.76 A	11.14 A
Maximum power voltage (Vmp)	31.82 V	30.27 V	32.30 V	30.63 V	32.71 V	30.99 V
Module efficiency	22.02 %		22.53 %		23.04 %	
Electrical characteristics	Bifacial gain 10%					
Nominal power. Pmax	473 Wp		484 Wp		495 Wp	
Short-circuit current (Isc)	15.63 A		15.81 A		15.97 A	
Open-circuit voltage (Voc)	38.49 V		38.91 V		39.33 V	
Maximum power current (Imp)	14.82 A		14.99 A		15.13 A	
Maximum power voltage (Vmp)	31.91 V		32.30 V		32.71 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 rating	Class C (UL 790)
Protection class	Class II (IEC 61140)
Mechanical loads	Front load 15100 Pa, Back load 3880 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 HW4/RG4
Certificate of Factory Production Control (UK) - MCS
Fire reaction class: 1 - LAPI
Assessed by Sundahus



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](http://www.eurener.com).

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energy

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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.