

STE430-27V-MHD

Topcon Technology

POWER RANGE

430W

CELL SIZE

182 x 91 mm

Art. -Nr.

9254484



longer lifecycle



Improved performance at high temperatures



Bifacial: Extremely high efficiency: 22.02%



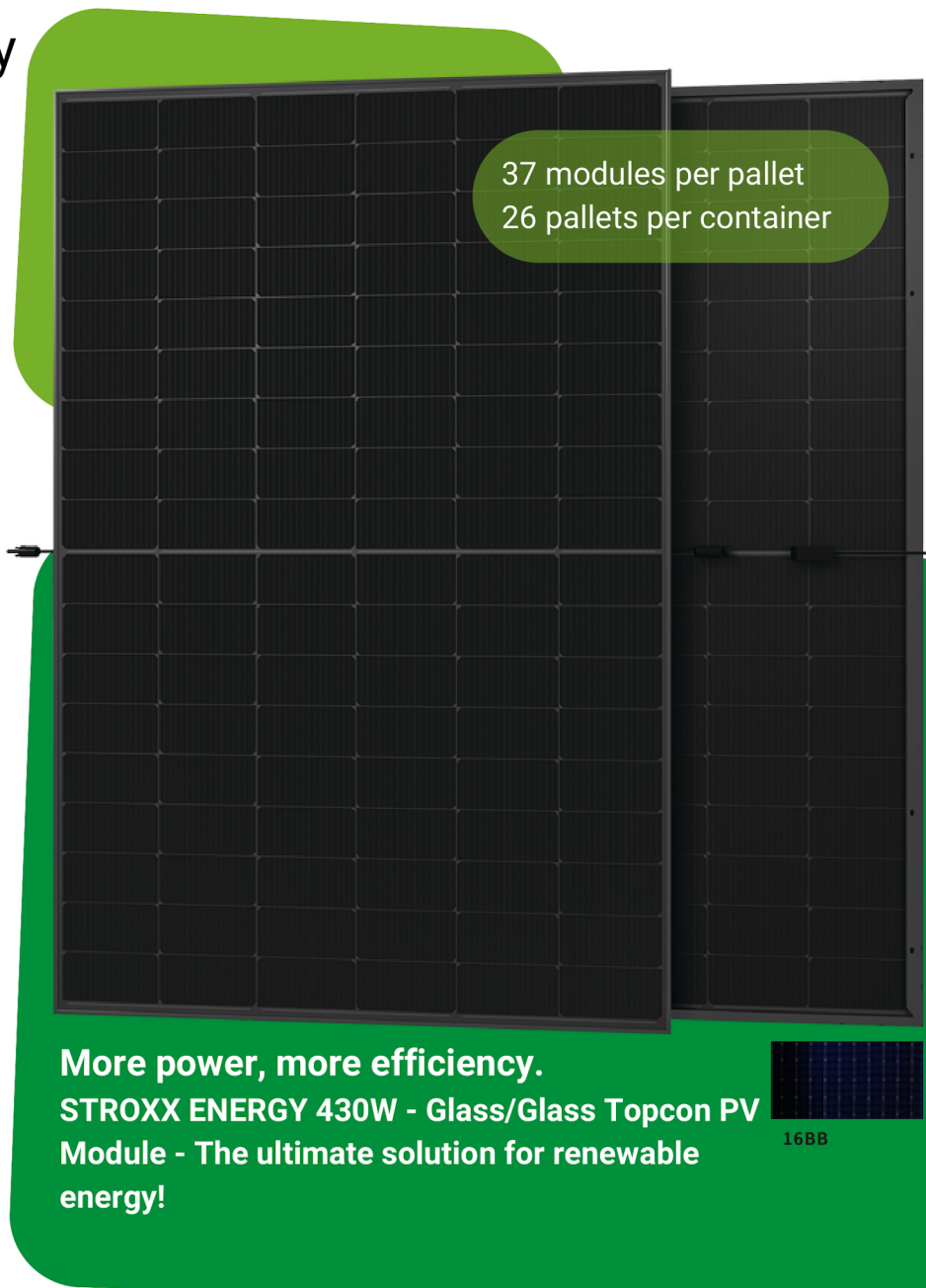
Improved low-light behavior



Excellent fire protection



Including extra long cable (120cm)

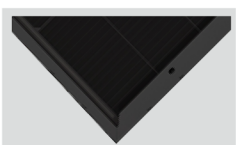


More power, more efficiency.
STROXX ENERGY 430W - Glass/Glass Topcon PV
Module - The ultimate solution for renewable energy!



JUNCTION BOX

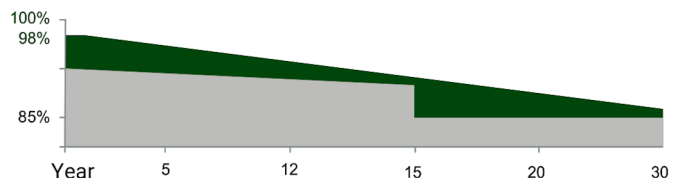
Waterproof protection grade: IP68
Safety Level: Class II
Maximum System Voltage: 1500V
outstanding waterproof level
Effectively resists harsh environments



FRAME

Strong mechanical load resistance up to 5400Pa
Anodic oxidation layer resistant to chemical corrosion

WARRANTY



15

15-year warranty on product materials and craftsmanship

30

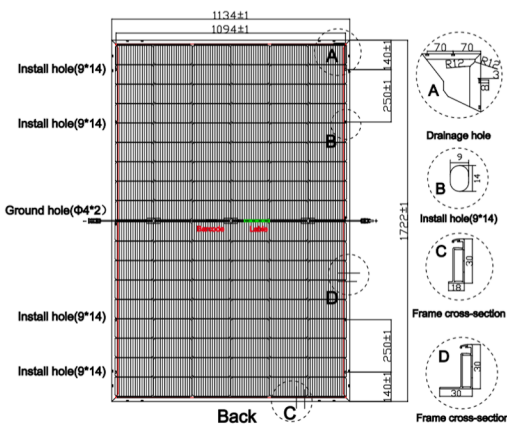
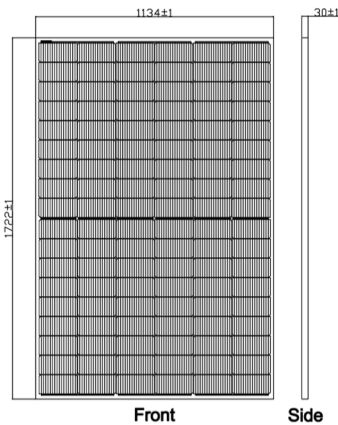
30-year Linear Power output warranty



Our PV modules are certified by TÜV Nord.

· IEC61215 / · IEC61730

Unit:mm



STE430-27V-MHD ELECTRICAL DATA (BNPI)

Peak Power (Pmax)	476.00
Maximum Power Voltage (Vmp)	32.08
Maximum Power Current (Imp)	14.84
Open Ciucuit Voltage (Voc)	38.87 ±3%
Short Circuit Current (Isc)	15.74 ±3%
Maximum System Voltage (V)	1500V
Maximum Series Fuse Rating (A)	30 A
Power Tolerance	0 ~ + 3 W
Pmax Temperature Coefficients (sW/°C)	-0.300 %/°C
Voc Temperature Coefficients (sV/°C)	-0.250 %/°C
Isc Temperature Coefficient (sA/°C)	+0.046 %/°C
NMOT Nominal Operating Cell Temperature (°C)	45 ± 2°C
Operating and Storage Temperature (°C)	-40 ~ + 85°C

* BNPI: Irradiance from behind 135W/m², AM 1.5, Ambient temperature 25°C
* Double-glass module: 430W front (standard) + 46W rear (red) = 476W maximum on both sides

ELECTRICAL DATA (STC)

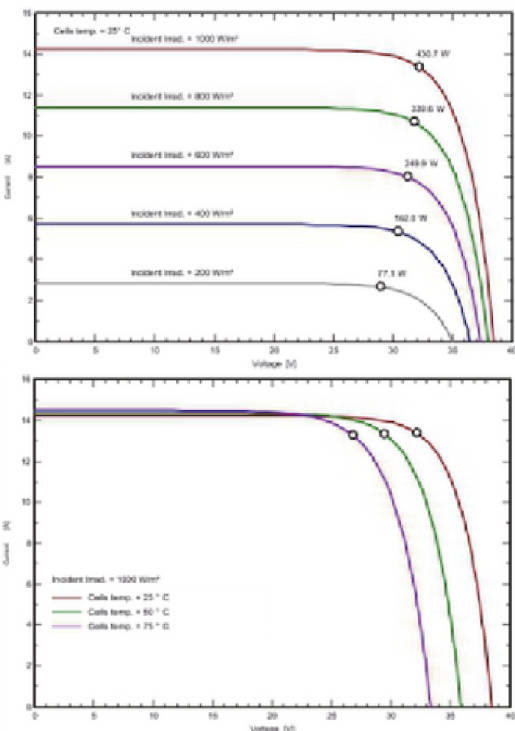
Peak Power (Pmax)	430.00
Maximum Power Voltage (Vmp)	32.08
Maximum Power Current (Imp)	13.40
Open Ciucuit Voltage (Voc)	38.69 ± 3%
Short Circuit Current (Isc)	14.14 ± 3%
Module Efficiency (%)	22.02

ELECTRICAL DATA (NMOT)

Peak Power (Pmax)	323.00
Maximum Power Voltage (Vmp)	30.08
Maximum Power Current (Imp)	10.75
Open Ciucuit Voltage (Voc)	36.75 ±3%
Short Circuit Current (Isc)	11.42 ±3%

* STC: Irradiance 1000 W/m², AM 1.5, and cell temperature of 25°C
* NMOT: Irradiance 800 W/m², AM 1.5, Ambient temperature 20°C, Wind speed 1 m/s

IV CURVE (430W)



MECHANICAL CHARACTERISTICS

Cell Type	182*91 N Type Bifacial Mono
Number of Cells	108 (12*9)
Dimensions (mm)	1722* 1134* 30
Weight (kg)	24.70
Front Glass	2.0mm AR coating tempered glass
Back Glass	2.0 mm Glasiertes Glas
Frame	Anodized Aluminium Alloy
Junction box	3Dioden, IP68
Output cables	4 mm ² cable120 cm (Including MC4 connector)
MaxWind Load/Show Load	2400Pa / 5400Pa



Ole Arnold
Your personal
point of contact