

ST 410-108MH-M10

Full Black 410W

Art.Nr.	Product	Selling Unit
9257281	410W	single units (1-36) pallet (37 pcs.)



Half-cut Technology

New circuit design, lower internal current and lower internal resistance loss



Minimizing Heat Spots to a Significant Degree

The distinctive circuit design is engineered to significantly decrease the temperature of heat spots, thereby reducing power losses and subsequently increasing module output.



Lower cost

Increasing power generation can reduce the cost per kilowatt-hour



Excellent performance of PID resistance

The performance of PID resistance (Potential Induced Degradation) passed the standard of TÜV Nord.



JUNCTION BOX

Waterproof protection grade:

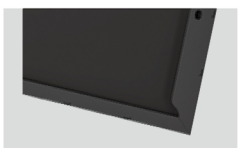
IP68 Safety Level: Class II

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

CELL SIZE

182 x 91 mm

37 modules per pallet
26 pallets per container

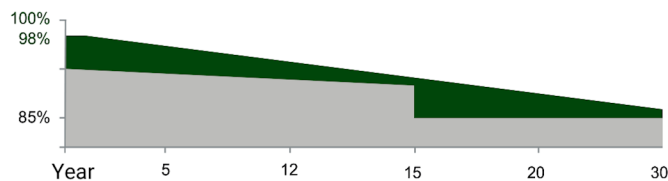
Price and performance
in an excellent balance:



10BB

STROXX ENERGY Full
Black PV Modules 410W

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

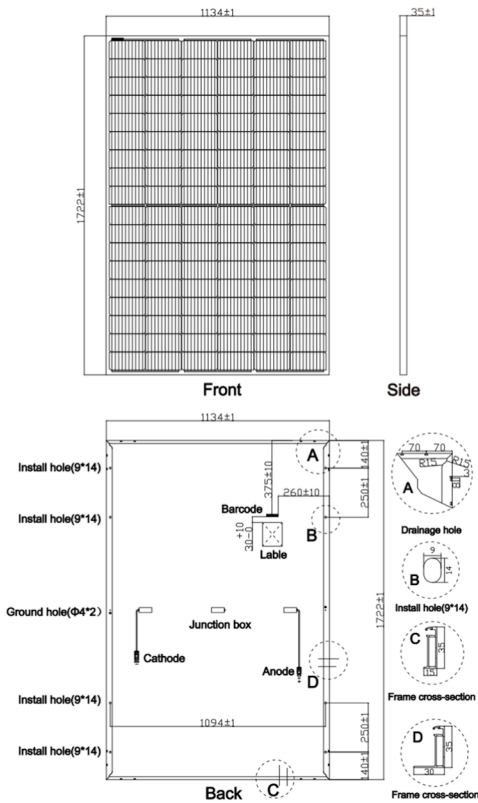
410W: ST 410-108MH-M10

ELECTRICAL DATA (STC)		ELECTRICAL DATA (NMOT)	
Model Type	410W	Model Type	410W
Peak Power (Pmax)	410.00	Peak Power (Pmax)	304.80
Maximum Power Voltage (Vmp)	31.46	Maximum Power Voltage (Vmp)	29.20
Maximum Power Current (Imp)	13.04	Maximum Power Current (Imp)	10.44
Open Ciucuit Voltage (Voc)	37.45 ±3%	Open Ciucuit Voltage (Voc)	35.05 ±3%
Short Circuit Current (Isc)	13.85 ±3%	Short Circuit Current (Isc)	11.16 ±3%
Module Efficiency (%)	21.00	* NMOT: Irradiance 800 W/m ² , AM 1.5, Ambient temperature 20°C, Wind speed 1 m/s	
* STC: Irradiance 1000 W/m ² , AM 1.5, and cell temperature of 25°C			

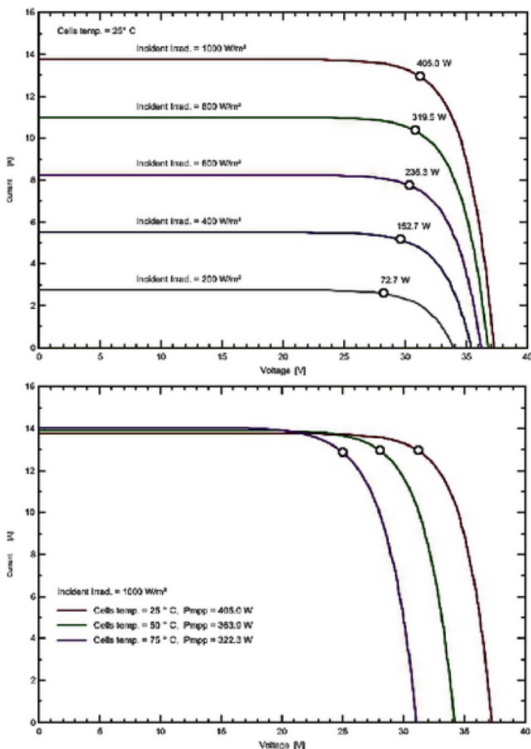
TEMPERATURE & MAXIMUM PROTECTION	
Maximum System Voltage (V)	1500 V
Maximum Series Fuse Rating (A)	25 A
Power Tolerance	0 ~ + 3W
Pmax Temperature Coefficients (sW/°C)	- 0.350 %/°C
Voc Temperature Coefficients (sV/°C)	-0.285 %/°C
Isc Temperature Coefficient (sA/°C)	0.045 %/°C
NMOT Nominal Module Operating Temperature (°C)	45 ±2 %°C
Operating and Storage Temperature (°C)	-40 ~+ 85 °C

MECHANICAL CHARACTERISTICS	
Cell Type	182*91 P Type black Mono
Number of Cells	108 (12*9)
Dimensions (mm)	1722* 1134* 30
Weight (kg)	21.50
Front Glass	3.2mm high transmission, low iron, tempered glass
Frame	Anodized Aluminium
Junction box	3Dioden, IP68
Output cables	400W: 4 mm ² cable 50 cm (Including MC4 connector) 410W: 4 mm ² cable 120 cm (Including MC4 connector)
MaxWindlast/Schneelast	2400Pa / 5400Pa

Unit:mm



IV CURVE (405W)



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