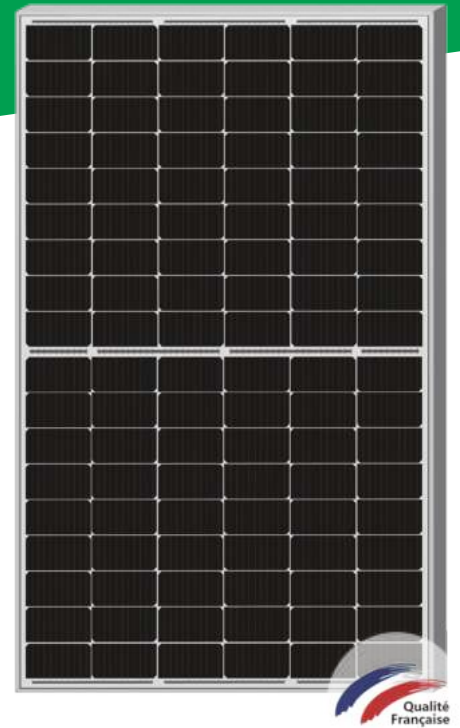


ATLAS TOPCON 410-430W

M10 / 182 mm Cell - 108 Half-cells



KEY FEATURES



Gallium-doped Technology



Lower LCOE and BOS



Less Hot Spot Shading effects



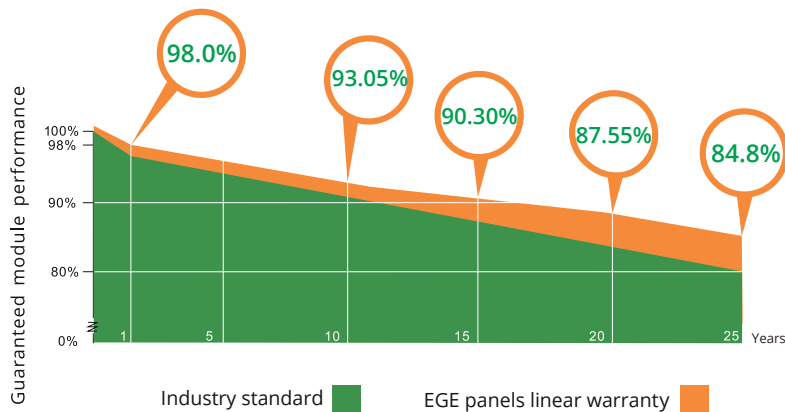
Anti PID/ Low LID protection



Lower temperature coefficient

LINEAR PERFORMANCE WARRANTY

12-Year Product Warranty · 25-Year Linear Power Warranty



108 Half-cells(10BB)

Monocrystalline Module



22.02%

Maximum Efficiency



0~+5W

Positive Power Tolerance



GRADE A

Cells Guaranteed

COMPREHENSIVE CERTIFICATES

IEC 61215/ IEC 61730 / IEC 61701 / IEC 62716

ISO 9001 : Quality Management Systems



ELECTRICAL DATA AT STC*

Power output (Pmax)	410 W	415 W	420 W	425 W	430 W
Power tolerance	0~+5 W	0~+5 W	0~+5 W	0~+5 W	0~+5 W
Module efficiency	21.00 %	21.25 %	21.51 %	21.76 %	22.02 %
Maximum power voltage (Vmp)	31.81 V	32.02 V	31.96 V	32.44 V	32.33 V
Maximum power current (Imp)	12.89 A	12.96 A	13.14 A	13.10 A	13.3 A
Open circuit voltage (Voc)	38.1 V	38.33 V	38.57 V	38.81 V	39.04 V
Short circuit current (Isc)	13.82 A	14.01 A	13.96 A	14.03 A	14.1 A

*Standard Test Conditions (STC): Irradiance: 1,000 W / m² • Cell temperature: 25°C • AM: 1.5

ELECTRICAL DATA AT NOCT**

Power output (Pmax)	307 W	311 W	315 W	319 W	323 W
Maximum power voltage (Vmp)	35.13 V	29.45 V	32.34 V	29.87 V	30.07
Maximum power current (Imp)	8.74 A	10.56 A	9.74 A	10.68 A	10.74
Open circuit voltage (Voc)	36.33 V	36.54 V	36.74 V	36.95 V	37.15
Short circuit current (Isc)	11.12 A	11.18 A	11.24 A	11.3 A	11.36

**Nominal Operating Cell Temperature (NOCT): Irradiance: 800 W / m² • Environment temperature: 20°C • AM: 1.5 • Wind speed: 1 m/s

MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline (182x91 mm)
Number of cells	108
Dimensions	1,724x1,134x35mm
Weight	22 kg
Glass	3.2 mm Tempered glass, High Transmission (>94%), Anti-Reflective Coating
Frame	Anodized aluminium alloy
Junction box	IP68 rated
Cable	4.0mm ² positive/negative:300mm(11.8inches),length Can be customized
Connector	MC4 or MC4 compatible
Max front load (e.g.: snow)	5,400 Pa
Max back load (e.g.: wind)	2,400 Pa

TEMPERATURE CHARACTERISTICS

NOCT	45°C ±2 °C
Temperature coefficient of Pmax	-0.30%/°C
Temperature coefficient of Voc	-0.25%/°C
Temperature coefficient of Isc	+0.046%/°C

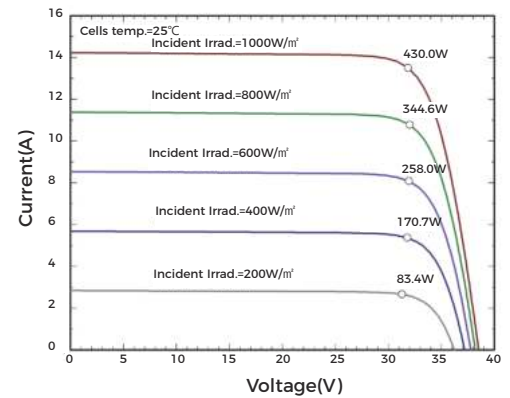
MAXIMUM RATINGS

Operating temperature range	-40 °C ~+85 °C
Maximum system voltage	1,500 DC (IEC)
Max series fuse rating	25 A

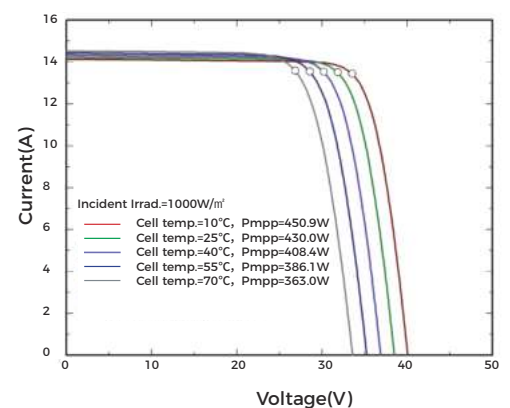
PACKAGING (1,724x1,134x35mm)

Type	Quantity	Weight
Per Pallet	31 pcs	717 kg
40ft HQ Container	806 pcs	18.642 t

EGE-430W-108M(GM10)-T Irradiance I-V Curve



EGE-430W-108M(GM10)-T Temperature I-V Curve



Dimension of the PV Module (mm)

