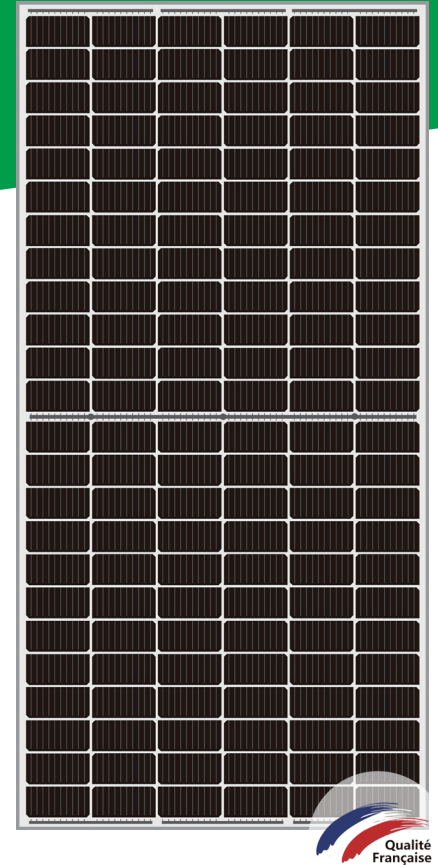


ATLAS 550W

M10 / 182 mm Cell - 144 Half-cells



KEY FEATURES



Gallium-doped Technology



Lower LCOE and BOS



Less Hot Spot Shading effects



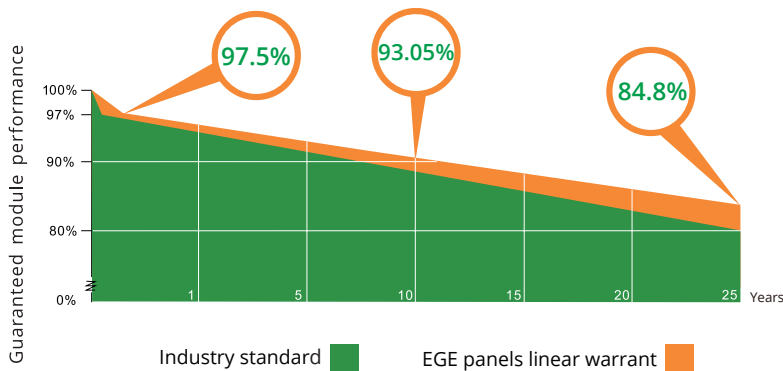
Anti PID/ Low LID protection



Lower temperature coefficient

LINEAR PERFORMANCE WARRANTY

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



144 Half-cells(10BB)

Monocrystalline Module



21.28%

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)	550 W
Power tolerance	0~+5 W
Module efficiency	21.28 %
Maximum power voltage (Vmp)	40.98 V
Maximum power current (Imp)	13.42 A
Open circuit voltage (Voc)	49.68 V
Short circuit current (Isc)	14.01 A

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

ELECTRICAL DATA AT NOCT**

Power output (Pmax)	410.10 W
Maximum power voltage (Vmp)	38.42 V
Maximum power current (Imp)	10.66 A
Open circuit voltage (Voc)	46.07 V
Short circuit current (Isc)	11.39 A

**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	144
Dimensions	2,279x1,134x35mm (1.5mm Cell Gap)
Weight	29 kg
Glass	3.2 mm Tempered glass, High Transmission (>94%), Anti-Reflective Coating
Frame	Anodized aluminium alloy
Junction box	IP68 rated (3 by pass diodes)
Cable	4.0mm ² ; 300mm(+) / 300mm(-) ; 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	-0.35%/°C
Temperature coefficient of Voc	-0.28%/°C
Temperature coefficient of Isc	+0.048%/°C

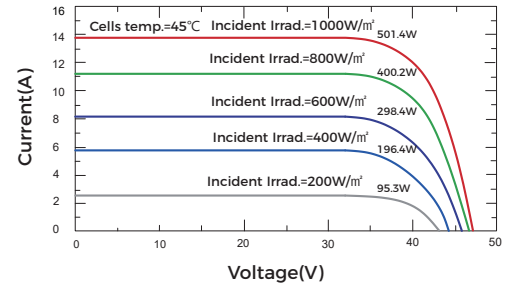
MAXIMUM RATINGS

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

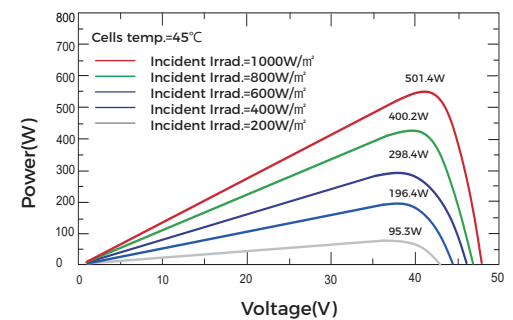
PACKAGING (2,279x1,134x35mm)

Type	Quantity	Weight
Per Pallet	31 pcs	940 kg
40ft HQ Container	620 pcs	18.80 t

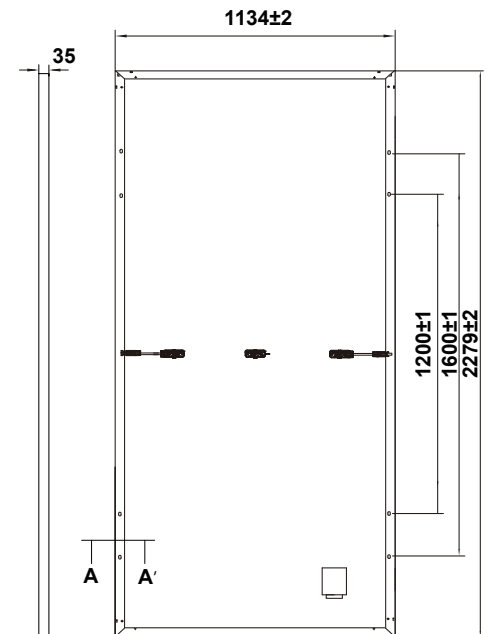
PV MODULE : EGE-550W-144M(M10)



PV MODULE : EGE-550W-144M(M10)



Dimension of PV Module (mm)



Frame Cross Section A-A'

