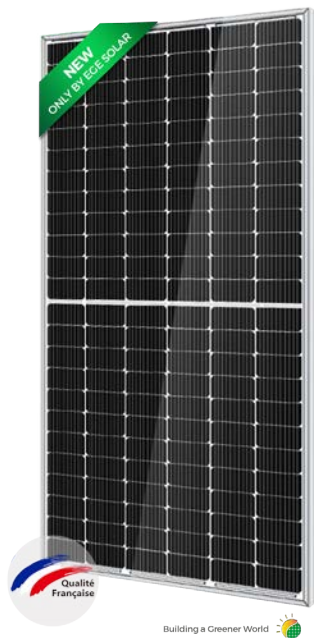


ATLAS

530-550 W / 144 Cells / 10 Bus Bars
Monocrystalline Module

EGE-530-550W-144M (M10)



Eco Green Energy's modules are only made of grade A solar cells with a very high efficiency and ensured more than 25 years lifespan.

KEY FEATURES



Lower LCOE and BOS



Anti PID/ Low LID protection



Less Hot Spot Shading effects



Lower temperature coefficient



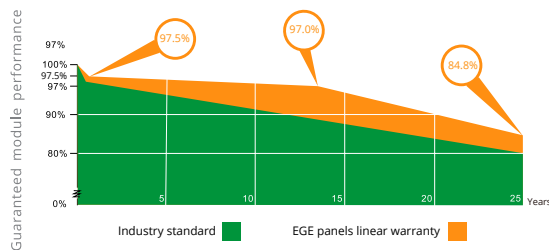
More power output in weak light condition, such as haze, cloudy, and morning.

CERTIFICATES

ISO 9001:2015 / PV CYCLE / CE

LINEAR PERFORMANCE WARRANTY

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



25 YEARS OUTPUT POWER WARRANTY



12 YEARS PRODUCT WARRANTY

ELECTRICAL DATA AT STC*

Power output (Pmax)	530 W	535 W	540 W	545 W	550 W
Power tolerance	0~+5 W	0~+5 W	0~+5 W	0~+5 W	0~+5 W
Module efficiency	20.7 %	20.9 %	21.1 %	21.3 %	21.5 %
Maximum power voltage (Vmp)	40.80 V	41.00 V	41.20 V	41.40 V	41.60 V
Maximum power current (Imp)	13.00 A	13.05 A	13.11 A	13.17 A	13.23 A
Open circuit voltage (Voc)	49.00 V	49.20 V	49.40 V	49.60 V	49.80 V
Short circuit current (Isc)	13.76 A	13.81 A	13.87 A	13.93 A	13.99 A

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

ELECTRICAL DATA AT NMOT*

Power output (Pmax)	395 W	399 W	402 W	406 W	410 W
Maximum power voltage (Vmp)	38.00 V	38.20 V	38.40 V	38.60 V	38.80 V
Maximum power current (Imp)	10.40 A	10.44 A	10.49 A	10.54 A	10.58 A
Open circuit voltage (Voc)	45.90 V	46.10 V	46.30 V	46.40 V	46.60 V
Short circuit current (Isc)	11.09 A	11.13 A	11.18 A	11.23 A	11.28 A

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

TEMPERATURE CHARACTERISTICS

NMOT	41 °C ±3 °C
Temperature coefficient of Pmax	-0.36%/°C
Temperature coefficient of Voc	-0.28%/°C
Temperature coefficient of Isc	+0.05%/°C

MAXIMUM RATINGS

Operating temperature range	-40 °C ~+85 °C
Maximum system voltage	1500V
Max series fuse rating	25 A
Max front load (e.g.: snow)	5400 Pa
Max back load (e.g.: wind)	2400 Pa

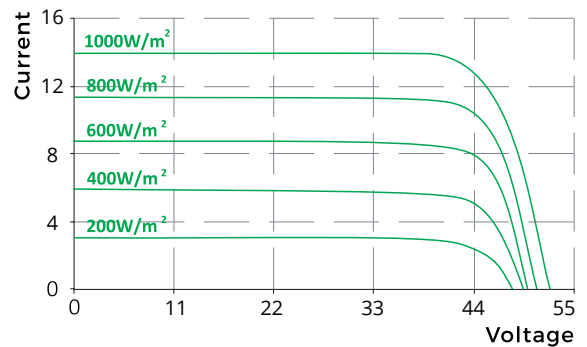
MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline (182x182 mm)
Number of cells	144
Dimensions	2279x1134x35mm (1.5mm Cell Gap)
Weight	29 kg
Glass	3.2 mm tempered glass
Frame	Anodized aluminium alloy
Junction box	IP68
Cable	4.0 mm ² Landscape: N 1400mm/P 1400mm Portrait: N 200mm/P 300mm
Connector	MC4 compatible

PACKAGING (2279x1134x35mm)

Type	Pcs/ Type	Weight
Per Pallet	30 pcs	910 kg
20ft GP Container	240pcs (5pallets+45cartons)	7.28 t
40ft GP Container	510PCS (10pallets+105cartons)	15.47 t
40ft HQ Container	600PCS (20pallets)	18.20 t

I-V CURVES



ENGINEERING DRAWINGS (mm)

