

ECO GREEN ENERGY
Building a Greener World

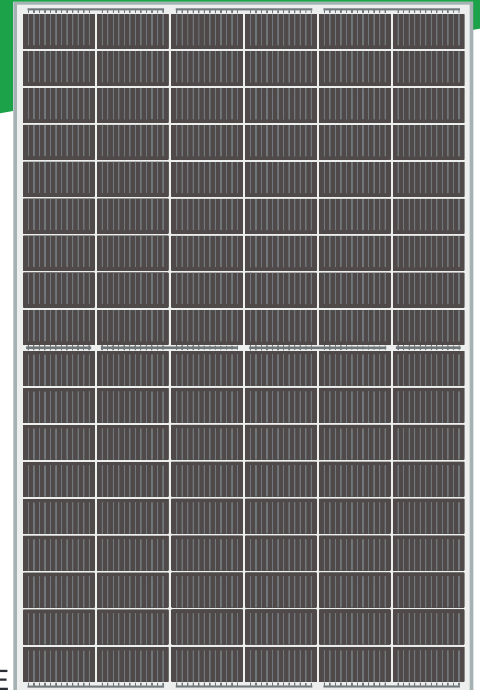


ATLAS PRO

520-540W

by Eco Green Energy

M12 / 210 mm Cell - 108 Half-cell



Founded in 2008, Eco Green Energy is a french brand solar PV manufacturer and distributing now its PV module in more than 60 countries over the world. Atlas Pro series solar modules are made only with grade A cells for highest power generation, lowest LCOE, and ensured more than 25 years lifespan.

KEY FEATURES



Gallium-doped Technology



Lower LCOE and BOS



Anti PID/ Low LID protection



Less Hot Spot Shading effects



Lower temperature coefficient

108-Cell

MONOCRYSTALLINE MODULE

21.14%

MAXIMUM EFFICIENCY



French Quality Module

0~+5W

POSITIVE POWER TOLERANCE

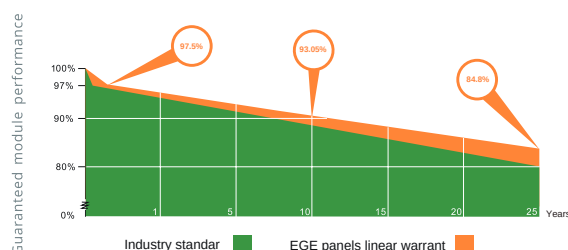
GRADE A

CELLS GUARANTEED



LINEAR PERFORMANCE WARRANTY

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



COMPREHENSIVE CERTIFICATES

IEC 61215/ IEC 61730 / IEC 61701 / IEC 62716
ISO 9001 : Quality Management Systems



ELECTRICAL DATA AT STC*

Power output (Pmax)	520 W	525 W	530 W	535 W	540 W
Power tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module efficiency	20.36 %	20.56 %	20.75 %	20.95 %	21.14 %
Maximum power voltage (Vmp)	30.71 V	30.85 V	30.98 V	31.10 V	31.23 V
Maximum power current (Imp)	16.93 A	17.02 A	17.11 A	17.20 A	17.29 A
Open circuit voltage (Voc)	37.10 V	37.22 V	37.34 V	37.46 V	37.58 V
Short circuit current (Isc)	17.85 A	17.94 A	18.03 A	18.12 A	18.21 A

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

ELECTRICAL DATA AT NMOT*

Power output (Pmax)	387.73 W	391.45 W	395.18 W	398.91 W	402.64 W
Maximum power voltage (Vmp)	28.79 V	28.92 V	29.04 V	29.16 V	29.28 V
Maximum power current (Imp)	13.45 A	13.52 A	13.59 A	13.66 A	13.73 A
Open circuit voltage (Voc)	34.41 V	34.52 V	34.63 V	34.74 V	34.85 V
Short circuit current (Isc)	14.51 A	14.58 A	14.66 A	14.73 A	14.80 A

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

MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline (210x105 mm)
Number of cells	108
Dimensions	1960x1303x35mm (1.5mm Cell Gap)
Weight	28 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(+) / 400mm(-) ; Length can be customized
Connector	MC4 or MC4 compatible
Max front load (e.g.: snow)	5400 Pa
Max back load (e.g.: wind)	2400 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

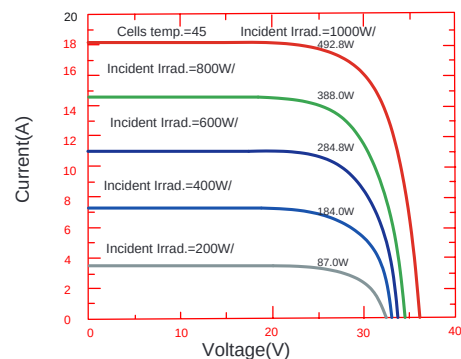
MAXIMUM RATINGS

Operating temperature range	-40 °C ~+85 °C
Maximum system voltage	1500 DC (IEC) 1500 DC (UL)
Max series fuse rating	30 A

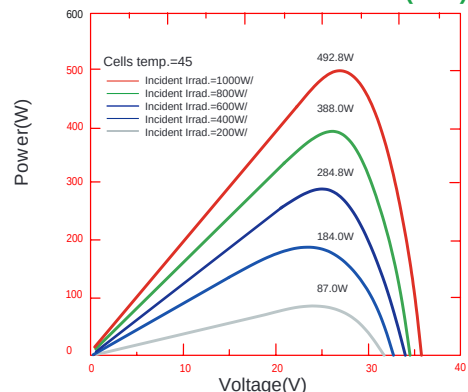
PACKAGING (1960x1303x35mm)

Type	Pcs	Weight
Per Pallet	31 pcs	910 kg
40ft HQ Container	558 pcs	16.38 t

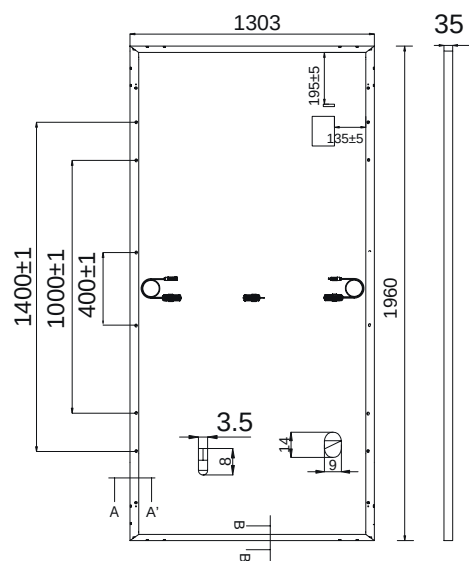
PV MODULE: EGE-530W-108M(M12)



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Dimension of PV Module (mm)



Frame Cross Section A-A



Frame Cross Section B-B

