

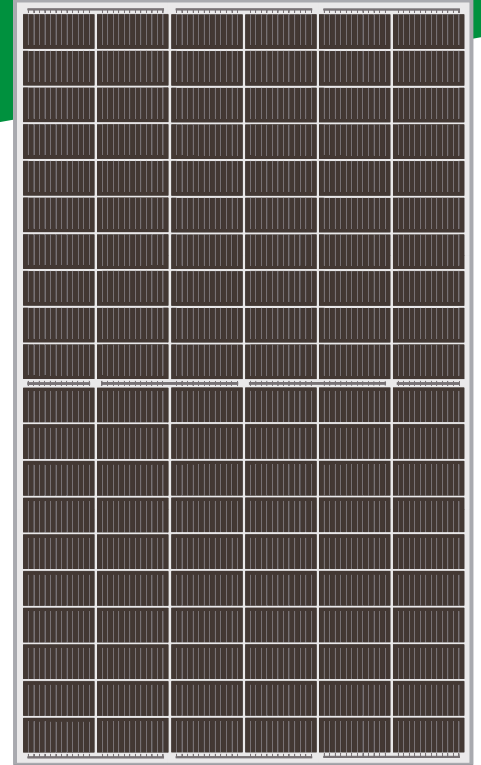
**ECO GREEN ENERGY**  
Building a Greener World

# ATLAS PRO

by Eco Green Energy

## 600-605W

M12 / 210 mm Cell - 120 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

**120-Cell**

MONOCRYSTALLINE MODULE

**21.40%**

MAXIMUM EFFICIENCY

**0~+5W**

POSITIVE POWER TOLERANCE

**GRADE A**

CELLS GUARANTEED

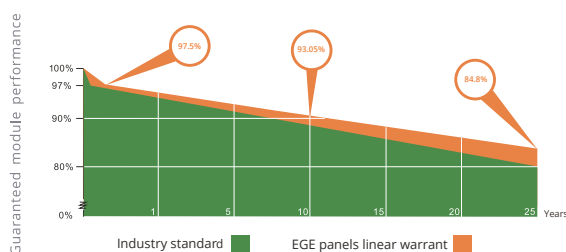


French Quality Module



### 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)	600 W	605 W
Power tolerance	0~+5 W	0~+5 W
Module efficiency	21.20 %	21.40 %
Maximum power voltage (Vmp)	34.75 V	34.87 V
Maximum power current (Imp)	17.27 A	17.35 A
Open circuit voltage (Voc)	41.63 V	41.75V
Short circuit current (Isc)	18.18 A	18.26 A

\*Standard Test Conditions: Irradiance: 1 000 W / m<sup>2</sup> • Cell temperature: 25°C • AM: 1.5

### ELECTRICAL DATA AT NMOT\*

Power output (Pmax)	447.38 W	451.10 W
Maximum power voltage (Vmp)	32.58 V	32.69 V
Maximum power current (Imp)	13.71 A	13.78 A
Open circuit voltage (Voc)	38.61 V	38.72 V
Short circuit current (Isc)	14.78 A	14.84 A

\*Nominal Operating Cell Temperature: Irradiance: 800 W / m<sup>2</sup> • Ambient temperature: 20°C • AM: 1.5 • Wind speed: 1 m/s

### MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline (210x105 mm)
Number of cells	120
Dimensions	2172x1303x35mm (1.5mm Cell Gap)
Weight	31.2 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 <sup>2</sup> ; 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

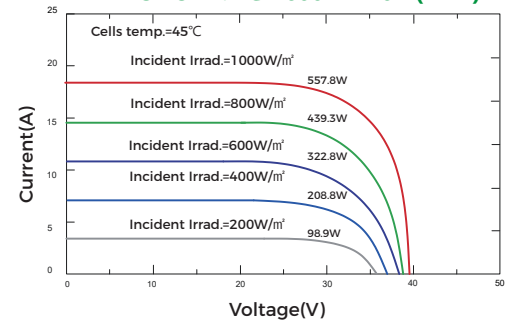
### MAXIMUM RATINGS

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

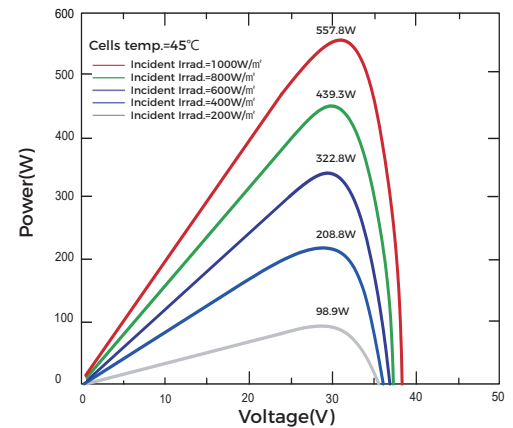
### PACKAGING (2172x1303x35mm)

Type	Pcs	Weight
Per Pallet	31 pcs	1015 kg
40ft HQ Container	558 pcs	18.27 t

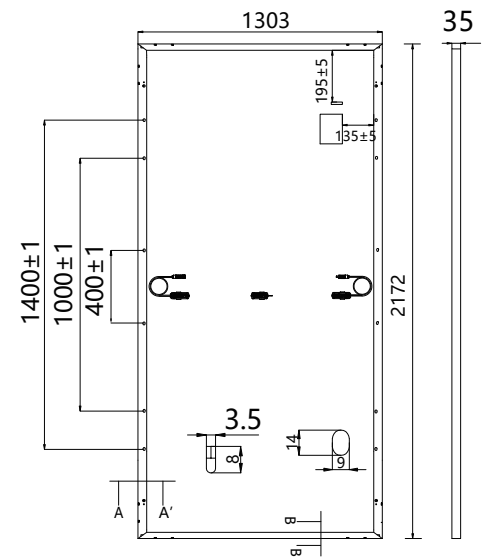
### PV MODULE : EGE-600W-120M(M12)



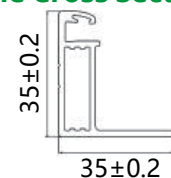
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### Dimension of PV Module (mm)



### Frame Cross Section A-A



### Frame Cross Section B-B

