

ATLAS PRO 600-605W

M12 / 210 mm Cell - 120 Half-cells



KEY FEATURES



Gallium-doped Technology



Lower LCOE and BOS



Less Hot Spot Shading effects



Anti PID/ Low LID protection

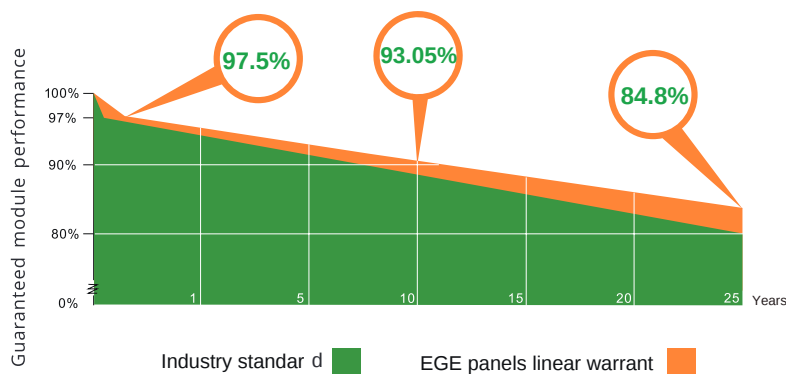


Lower temperature coefficient



LINEAR PERFORMANCE WARRANTY

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



120 Half-Cells(12BB)

Monocrystalline Module



21.40%

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



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

ELECTRICAL DATA AT NOCT**

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

MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline (210x105 mm)
Number of cells	120
Dimensions	2,172x1,303x35mm (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 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

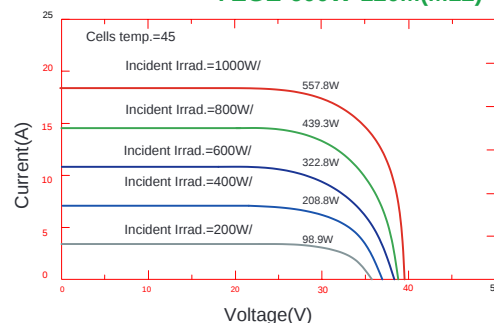
MAXIMUM RATINGS

Operating temperature range	-40 °C ~+85 °C
Maximum system voltage	1,500 DC (IEC)
Max series fuse rating	30 A

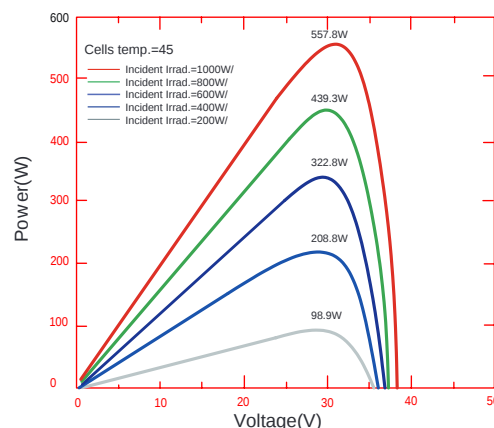
PACKAGING (2,172x1,303x35mm)

Type	Quantity	Weight
Per Pallet	31 pcs	1015 kg
40ft HQ Container	527 pcs	17.26 t

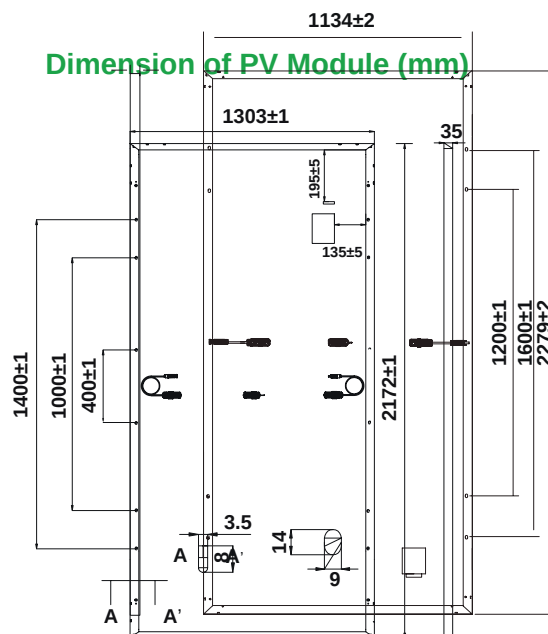
PV MODULE: EGE-600W-120M(M12)



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Dimension of PV Module (mm)



Frame Cross Section A-A'

