

# 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



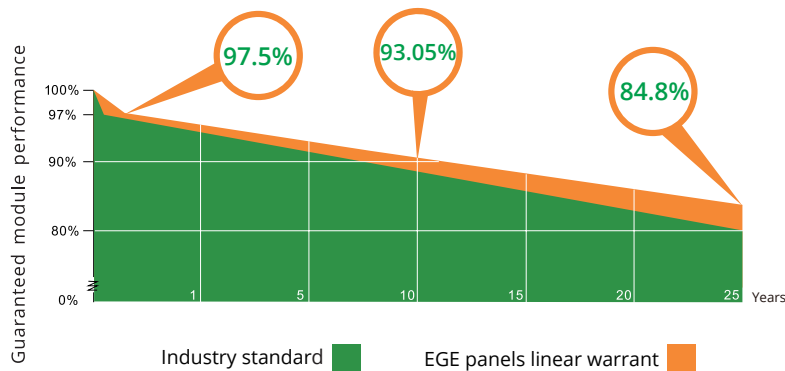
Anti PID/ Low LID protection



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



## 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 / m<sup>2</sup> • 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 / m<sup>2</sup> • 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 <sup>2</sup> ; 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

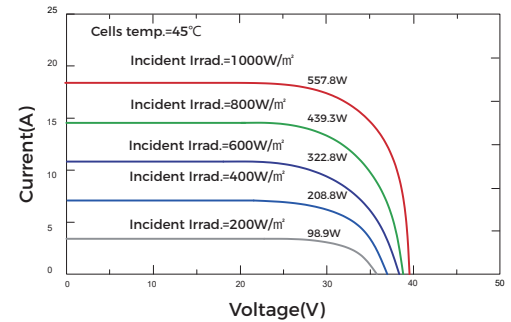
## MAXIMUM RATINGS

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

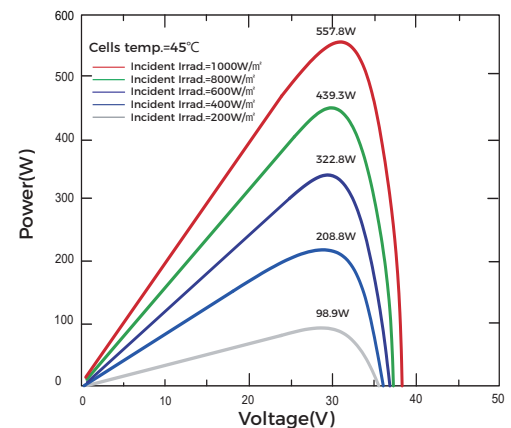
## PACKAGING (2,172x1,303x35mm)

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

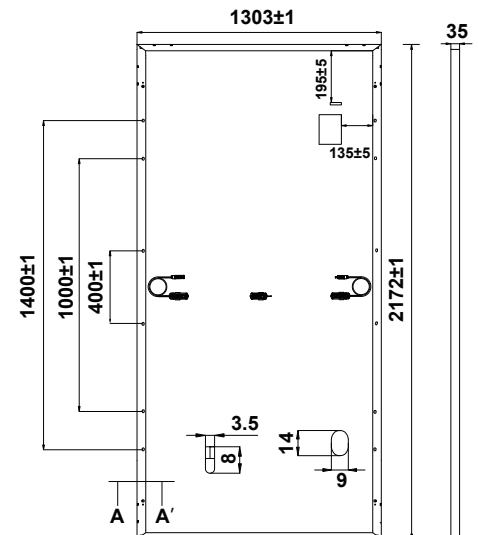
## PV MODULE : EGE-600W-120M(M12)



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## Dimension of PV Module (mm)



## Frame Cross Section A-A'

