

ATLAS DOUBLE GLASS 460W

M10 / 182 mm Cell - 120 Cells



KEY FEATURES



Gallium-doped Technology



Lower LCOE and BOS



Less Hot Spot Shading effects



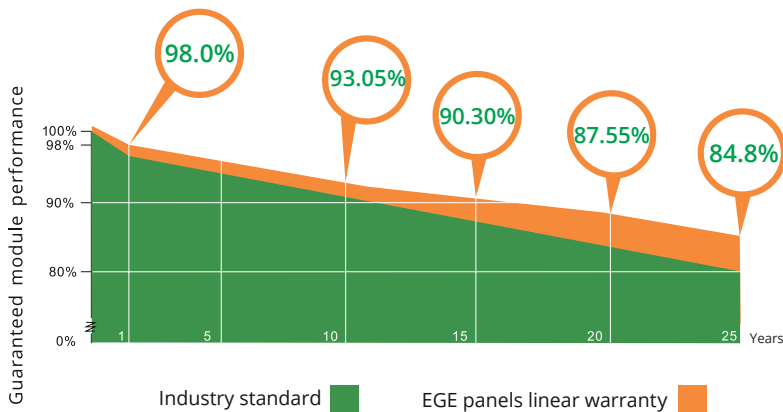
Anti PID/ Low LID protection



Lower temperature coefficient

LINEAR PERFORMANCE WARRANTY

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



120 Cells(10BB)

Monocrystalline Module



21.43%

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)	460 W
Power tolerance	0~+5 W
Module efficiency	21.43 %
Maximum power voltage (Vmp)	35.01 V
Maximum power current (Imp)	13.14 A
Open circuit voltage (Voc)	41.45 V
Short circuit current (Isc)	13.98 A

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

ELECTRICAL DATA AT NOCT**

Power output (Pmax)	338.00 W
Maximum power voltage (Vmp)	32.16 V
Maximum power current (Imp)	10.51 A
Open circuit voltage (Voc)	38.34 V
Maximum power current (Isc)	11.27 A

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

ELECTRICAL DATA AT 22.5% BIFACIAL GAINS (UP TO 25% REAL SIDE POWER GAIN)

Power output (PmaxBiFi)	564 W
Maximum power voltage (Vmp)	41.50 V
Maximum power current (Imp)	13.58 A
Open circuit voltage (Voc)	49.70 V
Short circuit current (Isc)	14.48 A

MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline (182x91 mm)
Number of cells	120
Dimensions	1,909x1,134x35mm
Weight	28.7 kg
Glass	2.0 mm tempered glass*2
Frame	Anodized aluminium alloy
Junction box	IP68
Cable	0.6 m
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

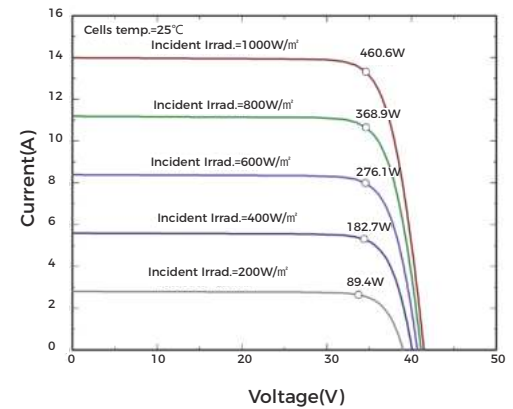
MAXIMUM RATINGS

Operating temperature range	-45 °C ~+85 °C
Maximum system voltage	1,500V
Max series fuse rating	25 A

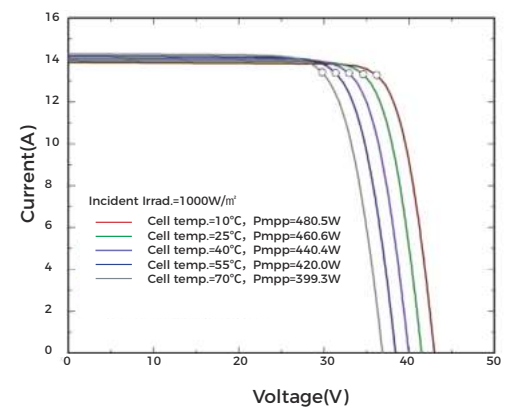
PACKAGING (1,909x1134x35mm)

Type	Quantity	Weight
Per pallet	31 pcs	924.7 kg
40ft HQ Container	744 pcs	22.192 t

EGE-460W-120M(GM10) Irradiance I-V Curve



EGE-460W-120M(GM10) Temperature I-V Curve



Dimension of the PV Module (mm)

