



ATLAS

580-600W

M10 / 182mm Cell - 156 Half-cells

KEY FEATURES

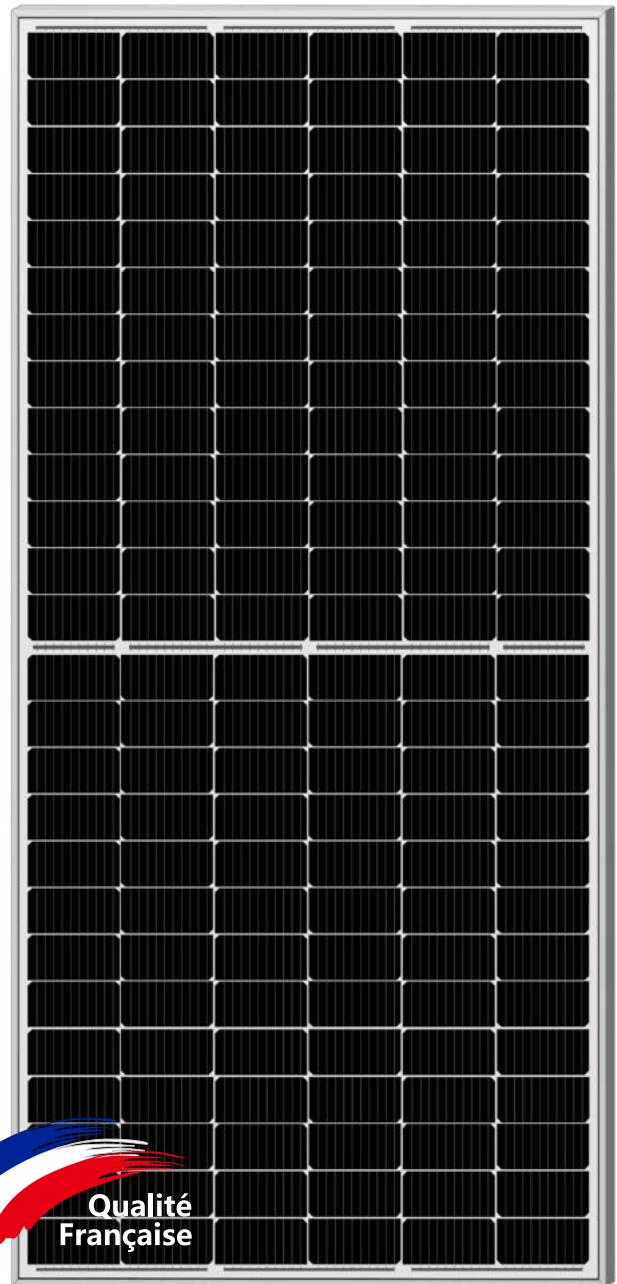
- Outstanding Power Generation
- Anti PID/ Low LID protection
- Lower temperature coefficient
- Less Hot Spot Shading effects

21.47%
Maximum Efficiency

0~+5W
Positive Power Tolerance

600W
Maximum Power Output

GRADE A
Cells Guaranteed



COMPREHENSIVE CERTIFICATES

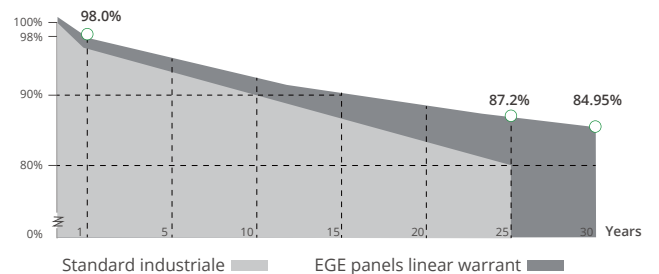
IEC 61215 / 61730 / 62716 / 61701 / 60068-2-68
ISO 9001 / 14001 / 45001



LINEAR PERFORMANCE WARRANTY

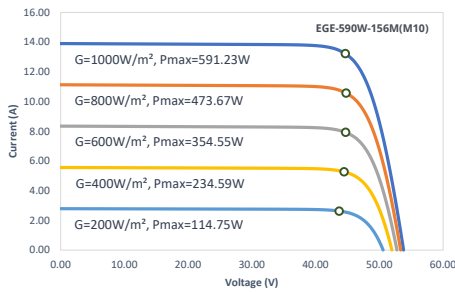
12 Year Product Warranty

30 Year Linear Power Warranty

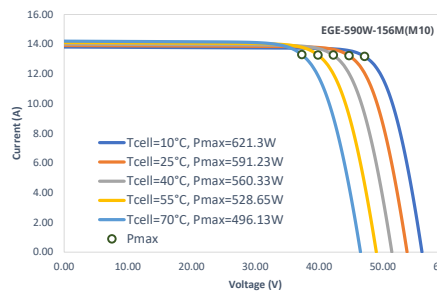


Characteristics

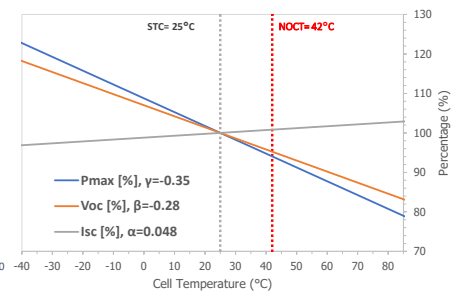
IV-Curves Irradiance



IV-Curves Temperature



Temperature Dependence of Isc, Voc, Pmax



Electrical Characteristics (STC: E=1000W/m² - Tcell=25°C - AM1.5 NOCT: E=800W/m² - T=20°C - v=1m/s BiFi30: 30% irradiance ratio)

Module Type	EGE-580W-156M(GM10)			EGE-585W-156M(GM10)			EGE-590W-156M(GM10)			EGE-595W-156M(GM10)			EGE-600W-156M(GM10)		
	STC	NOCT	BiFi30	STC	NOCT	BiFi30	STC	NOCT	BiFi30	STC	NOCT	BiFi30	STC	NOCT	BiFi30
Power output (Pmax)	580 W	437.90 W	701.80 W	585 W	441.70 W	707.85 W	590 W	445.50 W	713.90 W	595 W	449.20 W	719.95 W	600 W	453.10 W	726.00 W
Maximum power voltage (Vmp)	45.00 V	41.70 V	45.00 V	45.18 V	41.80 V	45.18 V	45.36 V	42.00 V	45.36 V	45.54 V	42.20 V	45.54 V	45.72 V	42.30 V	45.72 V
Maximum power current (Imp)	12.89 A	10.50 A	15.60 A	12.95 A	10.56 A	15.67 A	13.01 A	10.61 A	15.74 A	13.07 A	10.66 A	15.81 A	13.13 A	10.71 A	15.88 A
Open circuit voltage (Voc)	53.44 V	50.30 V	53.44 V	53.61 V	50.50 V	53.61 V	53.79 V	50.60 V	53.79 V	53.97 V	50.80 V	53.97 V	54.15 V	51.00 V	54.15 V
Short circuit current (Isc)	13.79 A	11.12 A	16.68 A	13.85 A	11.17 A	16.76 A	13.91 A	11.22 A	16.83 A	13.97 A	11.27 A	16.90 A	14.03 A	11.31 A	16.97 A
Bifaciality Factor	80% ± 10%														
Power tolerance	0~+5 W														
Module efficiency	20.76%			20.94%			21.12%			21.29%			21.47%		

Mechanical Characteristics

Cell type	Monocrystalline (182x91 mm)
Number of cells	156 (6x26)
Dimensions	2465x1134x35mm (1.5mm Cell Gap)
Weight	35.5 kg
Glass	2.0mm (front) / 2.0mm (rear), tempered glass, AR coated
Frame	Anodized aluminium alloy
Junction box	IP68 rated (3 by pass diodes)
Cable	4.0 mm², 300 mm (+)/ 300 mm (-): Length can be customized
Connector	MC4, MC4-EVO2 compatible

Operating Condition

Operating temperature range	-40°C~+85°C
Max system voltage (IEC)	1500 VDC
Max series fuse rating	30 A
Max front load (e.g.: snow)	5400 Pa
Max back load (e.g.: wind)	2400 Pa

Packaging (Dimensions of pallet: 2500*1125*1259mm)

Type	Quantity	Weight
Per Pallet	31 pcs	1134.5 kg
40ft HQ Container	558 pcs	20.42 t

Engineering Drawings

