

TOPCon

615-635W

M10 / 182mm Cell - 156 Half-cells

KEY FEATURES



Outstanding Power Generation



Anti PID/ Low LID protection



Lower temperature coefficient



Less Hot Spot Shading effects

22.73%

Maximum Efficiency

0~+5W

Positive Power Tolerance

635W

Maximum Power Output

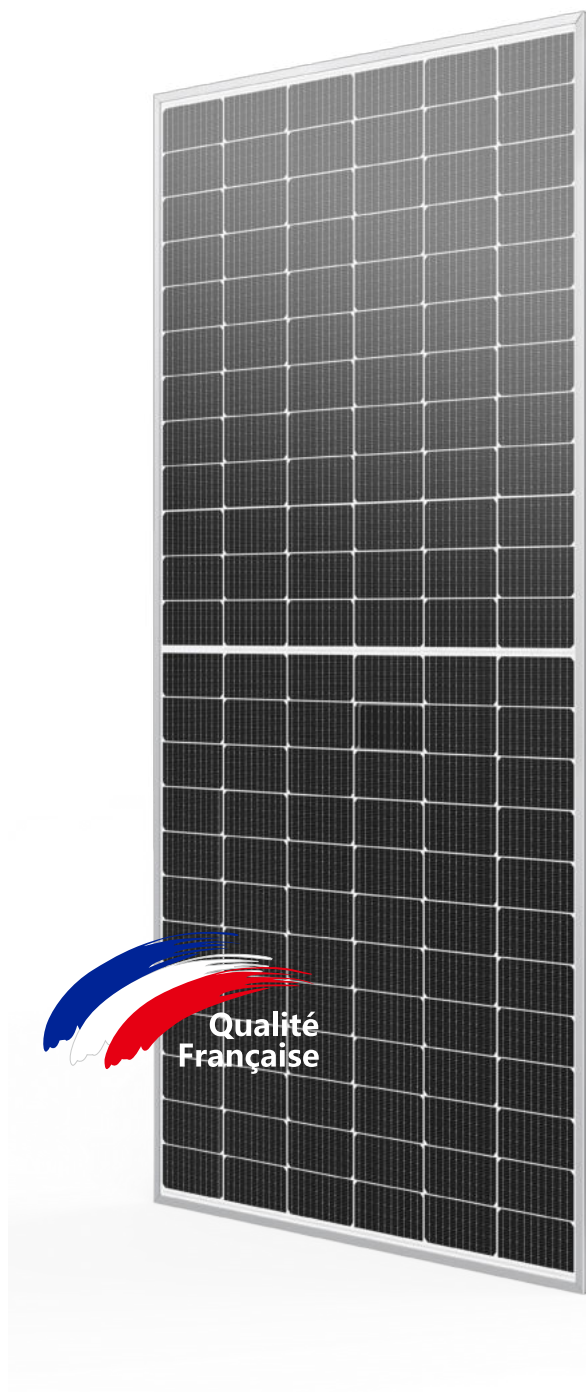
GRADE A

Cells Guaranteed

COMPREHENSIVE CERTIFICATES

IEC 61215/ IEC 61730 / IEC 61701 / IEC 62716

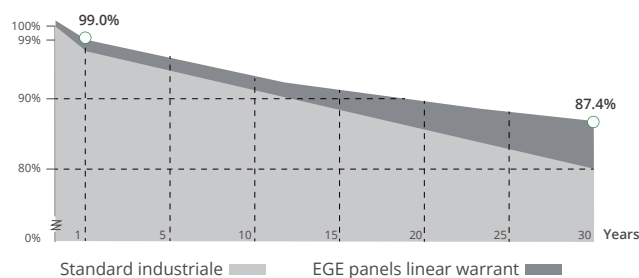
ISO 9001 : Quality Management Systems



LINEAR PERFORMANCE WARRANTY

15 Year Product Warranty

30 Year Linear Power Warranty

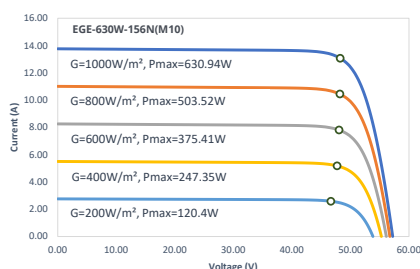


615-635W

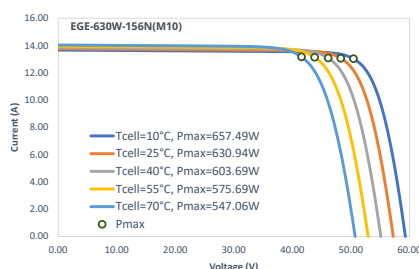
ATLAS TOPCon

Characteristics

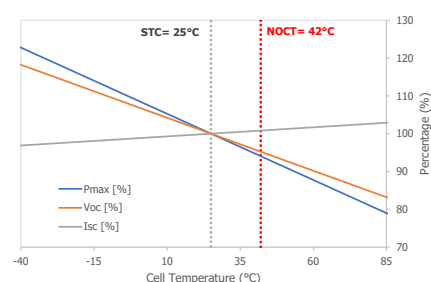
IV-Curves Irradiance



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)

Module Type	EGE-615W-156N(M10)		EGE-620W-156N(M10)		EGE-625W-156N(M10)		EGE-630W-156N(M10)		EGE-635W-156N(M10)	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Power output (Pmax)	615 W	463 W	620 W	467 W	625 W	471 W	630 W	475 W	635 W	479 W
Maximum power voltage (Vmp)	47.58 V	43.85 V	47.89 V	44.00 V	48.13 V	44.14 V	48.28 V	44.29 V	48.52 V	44.43 V
Maximum power current (Imp)	12.94 A	10.57 A	12.96 A	10.62 A	13.00 A	10.67 A	13.07 A	10.72 A	13.11 A	10.77 A
Open circuit voltage (Voc)	54.44 V	42.75 V	54.68 V	42.86 V	54.99 V	42.98 V	55.30 V	43.09 V	55.54 V	43.21 V
Short circuit current (Isc)	13.71 A	11.14 A	13.73 A	11.19 A	13.75 A	11.24 A	13.76 A	11.28 A	13.79 A	11.33 A
Power tolerance	0~+5 W									
Module efficiency	22.01 %		22.19 %		22.37 %		22.55 %		22.73 %	

Mechanical Characteristics

Cell type	Monocrystalline (182x91 mm)
Number of cells	156
Dimensions	2464x1134x35mm
Weight	31 kg
Glass	3.2mm, tempered glass, AR coated
Frame	Anodized aluminium alloy
Junction box	IP68 rated, 3 bypass 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*1150*150mm)

Type	Quantity	Weight
Per Pallet	31 pcs	995 kg
40ft HQ Container	558 pcs	17.91 t

Engineering Drawings

