

Off-Grid

80W

M10 / 182mm Cell - 36 Cut cells

KEY FEATURES



Outstanding Power Generation



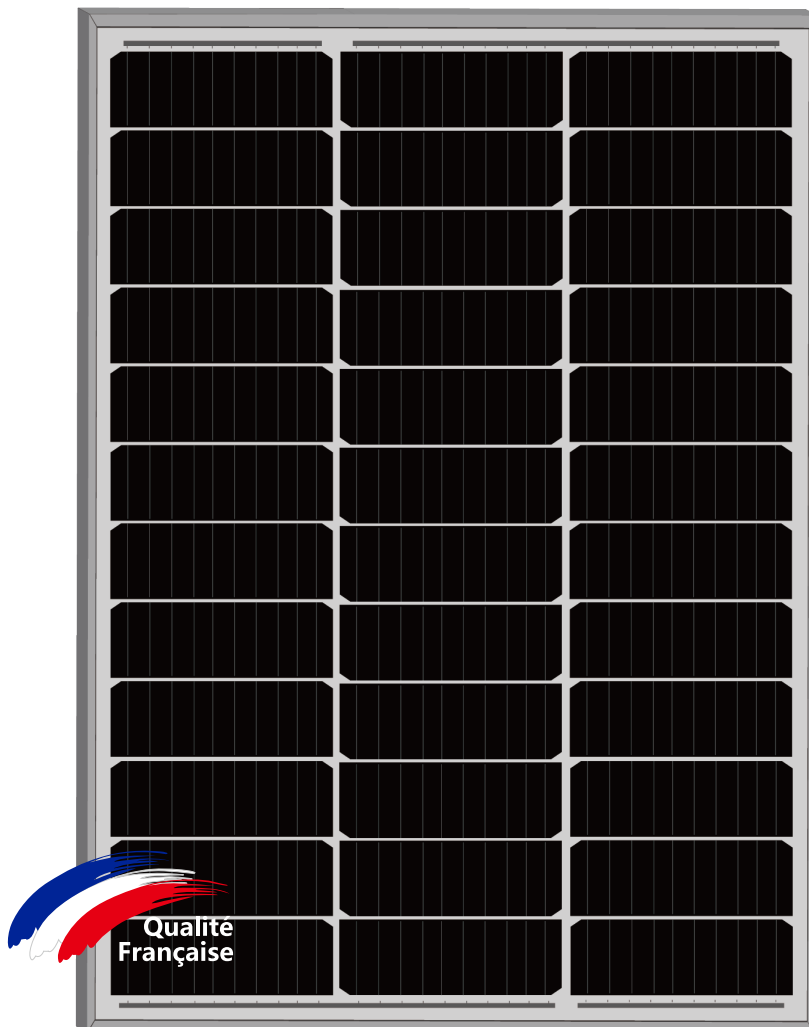
Anti PID/ Low LID protection



Lower temperature coefficient



Less Hot Spot Shading effects



17.24%

Maximum Efficiency

0~±3%

Positive Power Tolerance

80W

Maximum Power Output

GRADE A

Cells Guaranteed

COMPREHENSIVE CERTIFICATES

IEC 61215/ IEC 61730 / IEC 61701 / IEC 62716

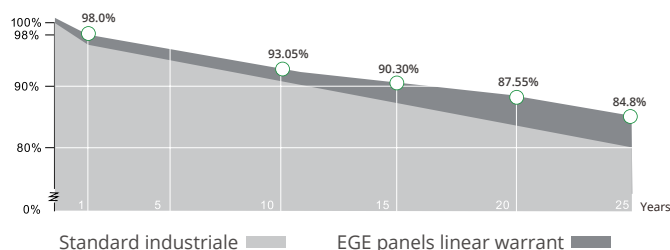
ISO 9001 : Quality Management Systems



LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty

25 Year Linear Power Warranty

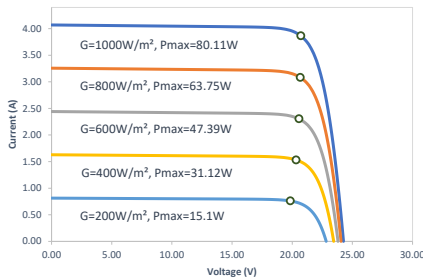


80W

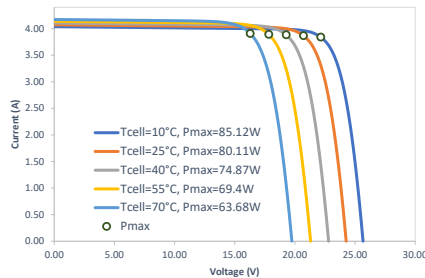
Off-Grid P-type

Characteristics

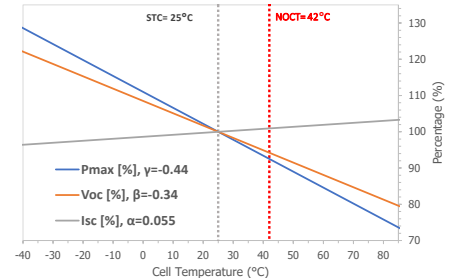
IV-Curves Irradiance



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 80W 36M(M10)
	STC	NOCT	
Power output (Pmax)	80 W	59.00 W	
Maximum power voltage (Vmp)	20.81 V	19.00 V	
Maximum power current (Imp)	3.85 A	3.10 A	
Open circuit voltage (Voc)	24.26 V	22.40 V	
Short circuit current (Isc)	4.07 A	3.29 A	
Power tolerance	0 ~ ± 3%		
Module efficiency	17.24 %		

Mechanical Characteristics

Cell type	Monocrystalline (182x60.67 mm)
Number of cells	36 (3x12)
Dimensions	580x800x25mm (1.5mm Cell Gap)
Weight	4.6 kg
Glass	3.2mm, tempered glass, AR coated
Frame	Anodized aluminium alloy
Junction box	IP65 rated, 3 bypass diodes
Cable	4.0 mm², 500 mm (+) 500 mm (-): Length can be customized
Connector	MC4, MC4-EVO2 compatible

Operating Condition

Operating temperature range	-40°C~+85°C
Max system voltage (IEC)	1000 VDC
Max series fuse rating	10 A
Max front load (e.g.: snow)	5400 Pa
Max back load (e.g.: wind)	2400 Pa

Packaging (Dimensions of pallet: 820*600*65mm)

Type	Quantity	Weight
Per Pallet	2 pcs	9.2 kg
40ft HQ Container	3920 pcs	18.03 t

Engineering Drawings

