

Off-Grid

40W

M10 / 182mm Cell - 36 Cut cells

KEY FEATURES



Outstanding Power Generation



Anti PID/ Low LID protection



Lower temperature coefficient



Less Hot Spot Shading effects

16.13%

Maximum Efficiency

0~±3%

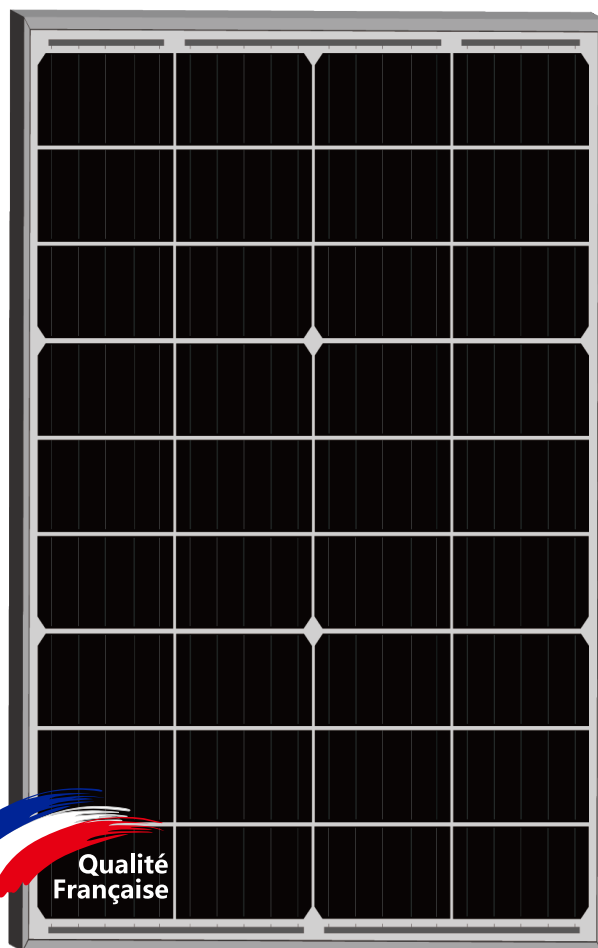
Positive Power Tolerance

40W

Maximum Power Output

GRADE A

Cells Guaranteed



COMPREHENSIVE CERTIFICATES

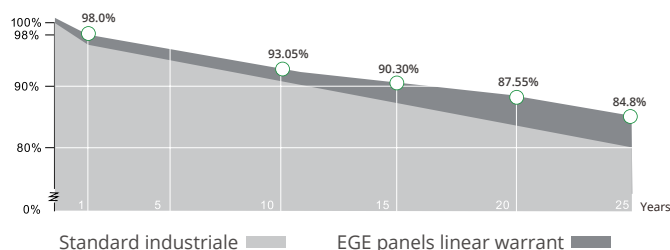
IEC 61215/ IEC 61730 / IEC 61701 / IEC 62716
ISO 9001 : Quality Management Systems



LINEAR PERFORMANCE WARRANTY

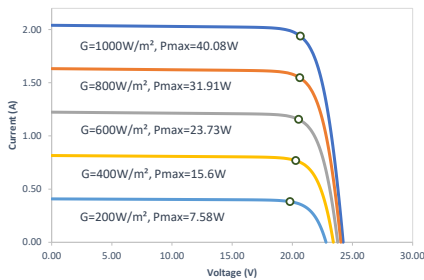
12 Year Product Warranty

25 Year Linear Power Warranty

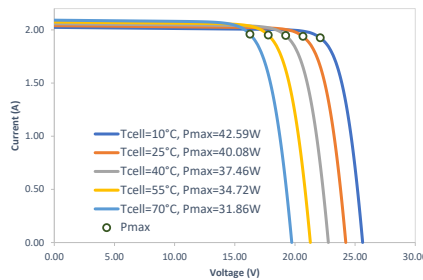


Characteristics

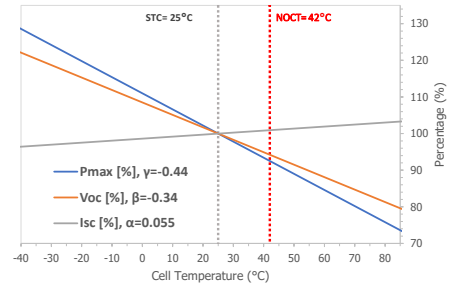
IV-Curves Irradiance



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 40W 36M(M10)	
	STC	NOCT
Power output (Pmax)	40 W	29.50 W
Maximum power voltage (Vmp)	20.77 V	19.00 V
Maximum power current (Imp)	1.93 A	1.56 A
Open circuit voltage (Voc)	24.23 V	22.40 V
Short circuit current (Isc)	2.04 A	1.65 A
Power tolerance	0 ~ ± 3%	
Module efficiency	16.13 %	

Mechanical Characteristics

Cell type	Monocrystalline (91x60.67 mm)
Number of cells	36 (4x9)
Dimensions	400x620x25mm (1.5mm Cell Gap)
Weight	2.7 kg
Glass	3.2mm, tempered glass, AR coated
Frame	Anodized aluminium alloy
Junction box	IP65 rated, 3 bypass diodes
Cable	4.0 mm², 350 mm (+/-) 350 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: 640*420*140mm)

Type	Quantity	Weight
Per Pallet	5 pcs	13.5 kg
40ft HQ Container	8640 pcs	23.32 t

Engineering Drawings

