

# Off-Grid

## 180W

M10 / 182mm Cell - 32 Cut cells

### KEY FEATURES



Outstanding Power Generation



Anti PID/ Low LID protection



Lower temperature coefficient



Less Hot Spot Shading effects

**18.7%**

Maximum Efficiency

**0~±3%**

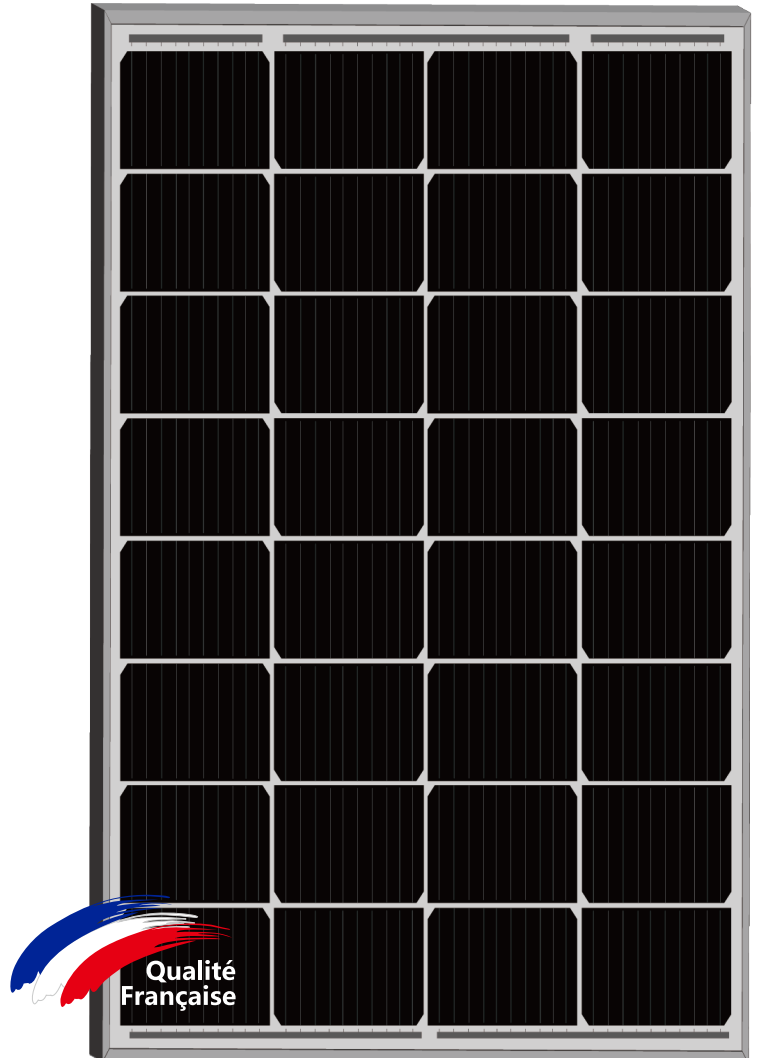
Positive Power Tolerance

**180W**

Maximum Power Output

**GRADE A**

Cells Guaranteed



### COMPREHENSIVE CERTIFICATES

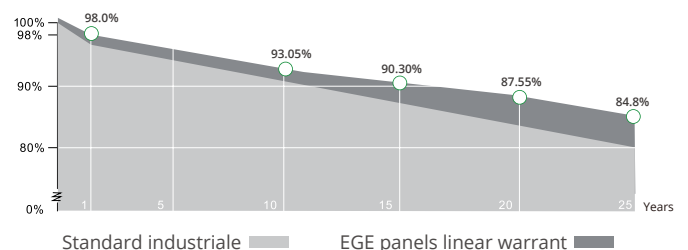
IEC 61215/ IEC 61730 / IEC 61701 / IEC 62716  
ISO 9001 : Quality Management Systems



### LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty

25 Year Linear Power Warranty

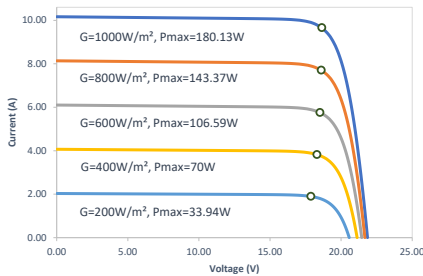


# 180W

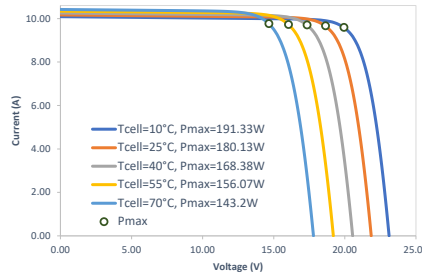
# Off-Grid P-type

## Characteristics

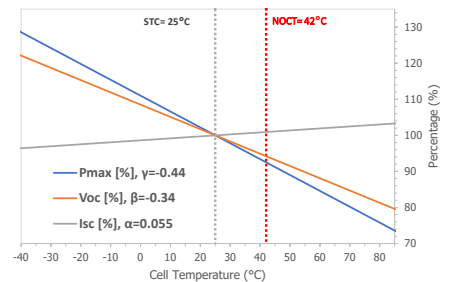
IV-Curves Irradiance



IV-Curves Temperature



Temperature Dependence of Isc, Voc, Pmax



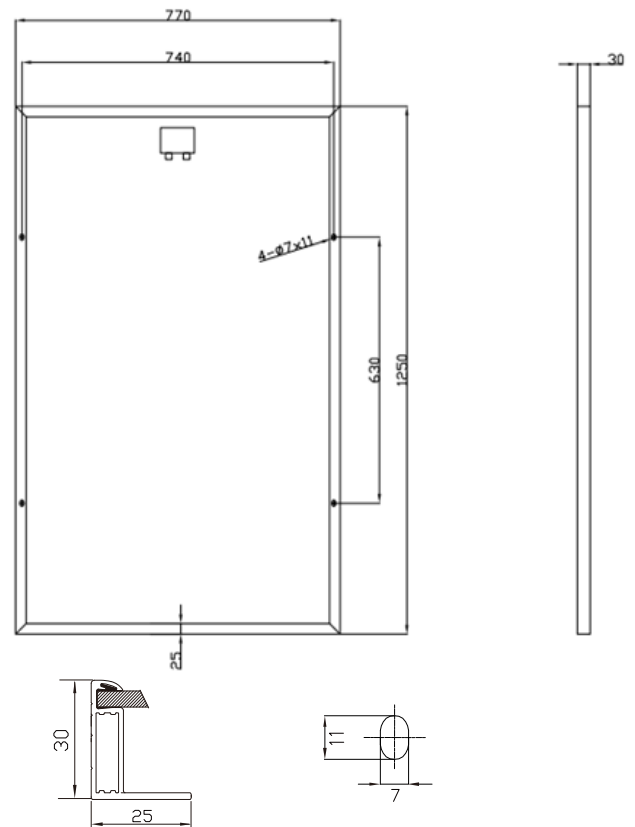
## Electrical Characteristics (STC: E=1000W/m<sup>2</sup> - Tcell=25°C - AM1.5 NOCT: E=800W/m<sup>2</sup> - T=20°C - v=1m/s)

Module Type	EGE 180W 32M(M10)	
	STC	NOCT
Power output (Pmax)	180 W	132.70 W
Maximum power voltage (Vmp)	18.78 V	17.10 V
Maximum power current (Imp)	9.59 A	7.75 A
Open circuit voltage (Voc)	21.86 V	20.20 V
Short circuit current (Isc)	10.17 A	8.21 A
Power tolerance	0 ~ ± 3%	
Module efficiency	18.7 %	

## Mechanical Characteristics

Cell type	Monocrystalline (182x145.6 mm)
Number of cells	32 (4x8)
Dimensions	770x1250x30mm (1.5mm Cell Gap)
Weight	9.6 kg
Glass	3.2mm, tempered glass, AR coated
Frame	Anodized aluminium alloy
Junction box	IP65 rated, 3 bypass diodes
Cable	4.0 mm <sup>2</sup> , 900 mm (+) / 900 mm (-): Length can be customized
Connector	MC4, MC4-EVO2 compatible

## Engineering Drawings



## 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: 1280\*1115\*900mm)

Type	Quantity	Weight
Per Pallet	36 pcs	345.6 kg
40ft HQ Container	1296 pcs	12.44 t

