

TOPCon

565-585W

M10 / 182mm Cell - 144 Half-cells

KEY FEATURES



Outstanding Power Generation



Anti PID/ Low LID protection



Lower temperature coefficient



Less Hot Spot Shading effects

22.64%

Maximum Efficiency

0~+5W

Positive Power Tolerance

585W

Maximum Power Output

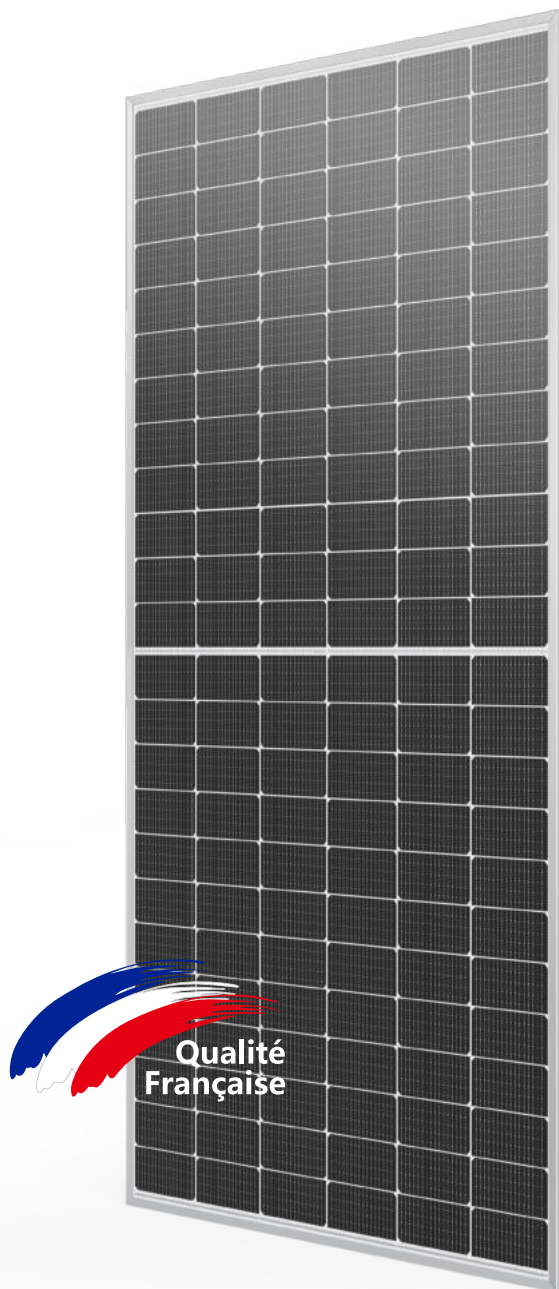
GRADE A

Cells Guaranteed

COMPREHENSIVE CERTIFICATES

IEC 61215/ IEC 61730 / IEC 61701 / IEC 62716

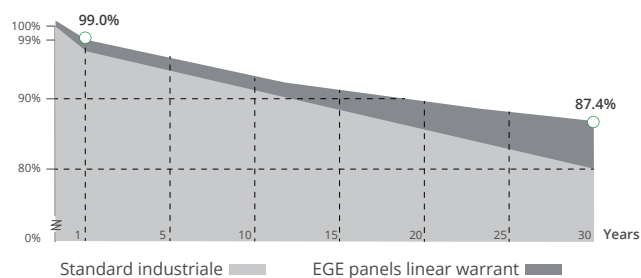
ISO 9001 : Quality Management Systems



LINEAR PERFORMANCE WARRANTY

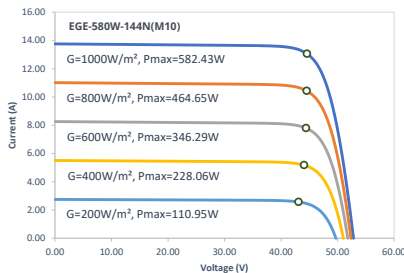
15 Year Product Warranty

30 Year Linear Power Warranty

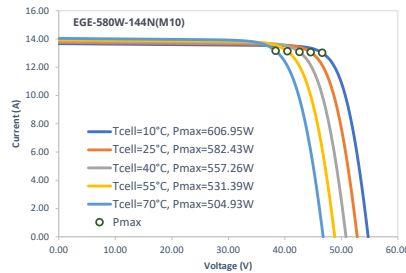


Characteristics

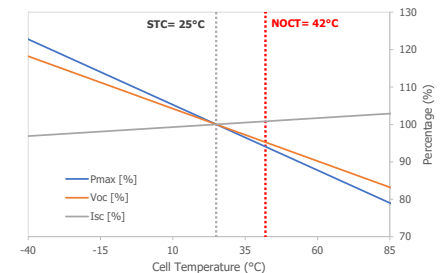
IV-Curves Irradiance



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-565W-144N(M10)		EGE-570W-144N(M10)		EGE-575W-144N(M10)		EGE-580W-144N(M10)		EGE-585W-144N(M10)	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Power output (Pmax)	565 W	428 W	570 W	432 W	575 W	436 W	580 W	440 W	585 W	444 W
Maximum power voltage (Vmp)	43.78 V	40.0 V	44.06 V	40.2 V	44.28 V	40.4 V	44.57 V	40.6 V	44.78 V	40.8 V
Maximum power current (Imp)	12.93 A	10.70 A	12.95 A	10.74 A	12.99 A	10.79 A	13.07 A	10.84 A	13.11 A	10.89 A
Open circuit voltage (Voc)	50.18 V	48.6 V	50.33 V	48.7 V	50.62 V	48.9 V	51.05 V	49.1 V	51.26 V	49.3 V
Short circuit current (Isc)	13.69 A	11.33 A	13.73 A	11.38 A	13.75 A	11.42 A	13.76 A	11.46 A	13.79 A	11.5 A
Power tolerance	0~+5 W									
Module efficiency	21.86 %		22.06 %		22.25 %		22.44 %		22.64 %	

Mechanical Characteristics

Cell type	Monocrystalline (182x91 mm)
Number of cells	144
Dimensions	2279x1134x30mm
Weight	28.9 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: 2308*1125*125mm)

Type	Quantity	Weight
Per Pallet	36 pcs	1074.4 kg
40ft HQ Container	720 pcs	21.49 t

Engineering Drawings

