



# TOPCon

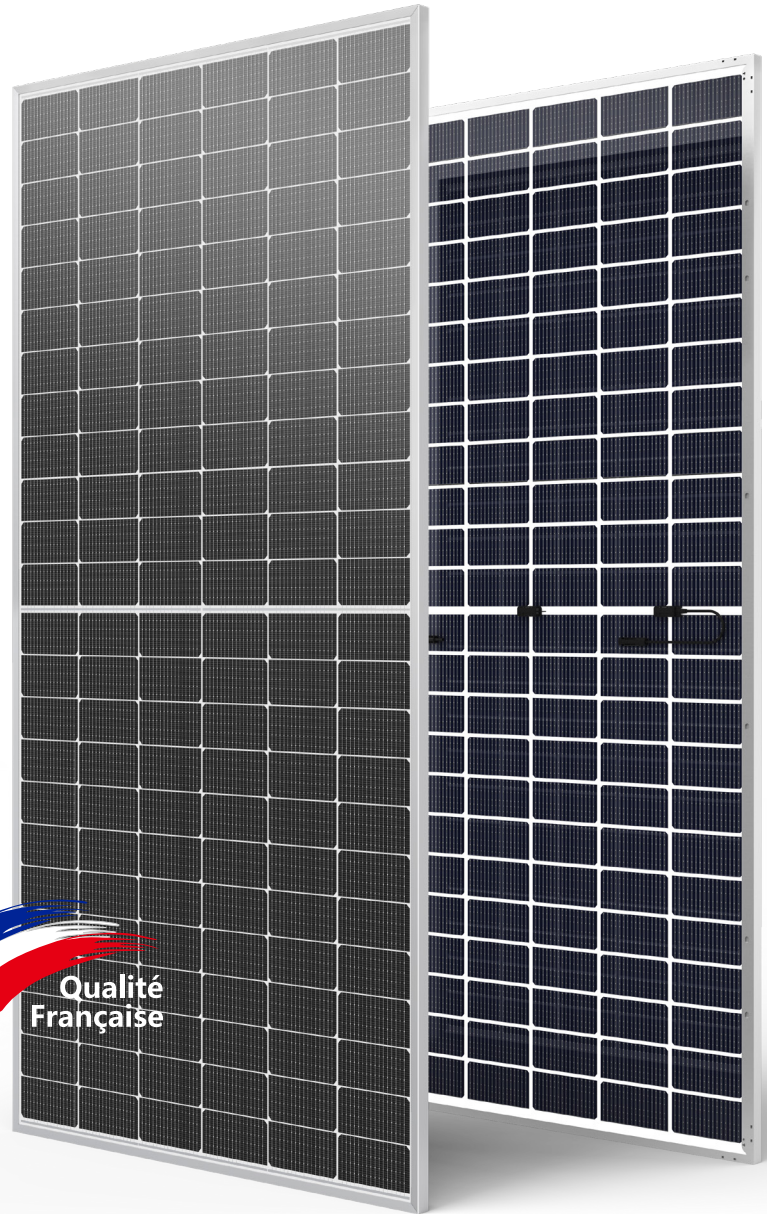
## 565-585W

M10 / 182mm Cell - 144 Half-cells

### KEY FEATURES

- Outstanding Power Generation
- Anti PID/ Low LID protection
- Lower temperature coefficient
- Less Hot Spot Shading effects
- Enhanced Bifaciality Factor
- Exceptional Mechanical Resistance

**Qualité Française**



**22.64%**  
Maximum Efficiency

**0~+5W**  
Positive Power Tolerance

**585W**  
Maximum Power Output

**GRADE A**  
Cells Guaranteed

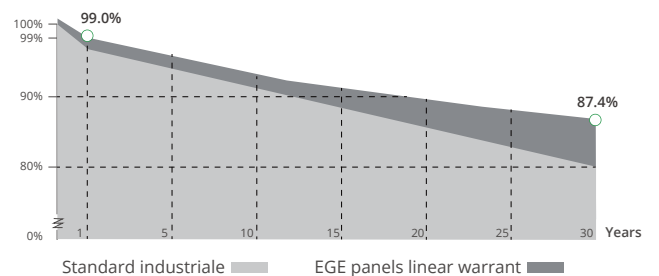
### COMPREHENSIVE CERTIFICATES

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



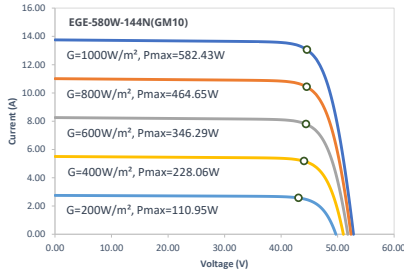
### LINEAR PERFORMANCE WARRANTY

15 Year Product Warranty  
30 Year Linear Power Warranty

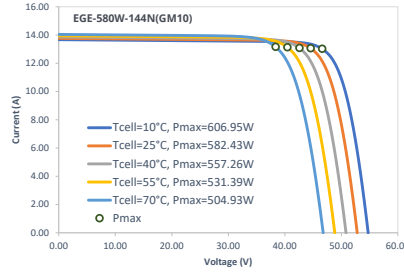


## Characteristics

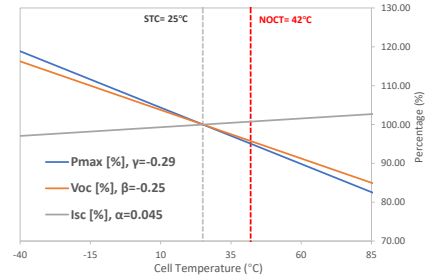
IV-Curves Irradiance



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 BiFi30: 30% irradiance ratio)

Module Type	EGE-565W-144N(GM10)			EGE-570W-144N(GM10)			EGE-575W-144N(GM10)			EGE-580W-144N(GM10)			EGE-585W-144N(GM10)		
	STC	NOCT	BiFi30	STC	NOCT	BiFi30	STC	NOCT	BiFi30	STC	NOCT	BiFi30	STC	NOCT	BiFi30
Power output (Pmax)	565 W	428 W	700.6 W	570 W	432 W	706.8 W	575 W	436 W	713.0 W	580 W	440 W	719.2 W	585 W	444 W	725.4 W
Maximum power voltage (Vmp)	43.78 V	40.0 V	43.78 V	44.06 V	40.2 V	44.06 V	44.28 V	40.4 V	44.28 V	44.57 V	40.6 V	44.57 V	44.78 V	40.8 V	44.78 V
Maximum power current (Imp)	12.93 A	10.70 A	16.00 A	12.95 A	10.74 A	16.04 A	12.99 A	10.79 A	16.10 A	13.07 A	10.84 A	16.14 A	13.11 A	10.89 A	16.20 A
Open circuit voltage (Voc)	50.18 V	48.6 V	50.18 V	50.33 V	48.7 V	50.33 V	50.62 V	48.9 V	50.62 V	51.05 V	49.1 V	51.05 V	51.26 V	49.3 V	51.26 V
Short circuit current (Isc)	13.69 A	11.33 A	16.95 A	13.73 A	11.38 A	17.01 A	13.75 A	11.42 A	17.04 A	13.76 A	11.46 A	16.99 A	13.79 A	11.5 A	17.03 A
Bifaciality Factor	80% ± 10 %														
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 (6x24)
Dimensions	2279x1134x30mm
Weight	33 kg
Glass	2.0mm (front) / 2.0mm (rear), tempered glass, AR coated
Frame	Anodized aluminium alloy
Junction box	IP68 rated (3 by pass 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\*1259mm)

Type	Quantity	Weight
Per Pallet	36 pcs	1222 kg
40ft HQ Container	720 pcs	24.44 t

## Engineering Drawings

