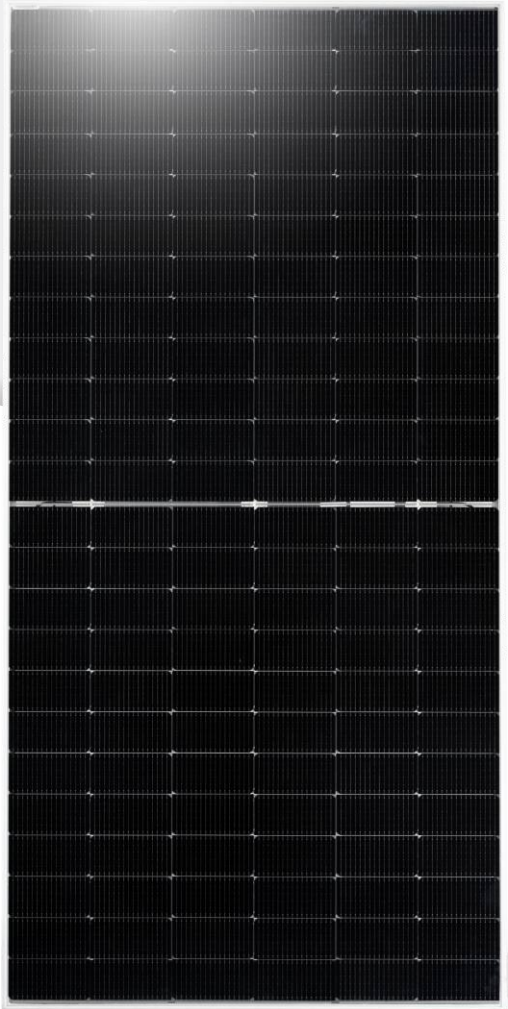
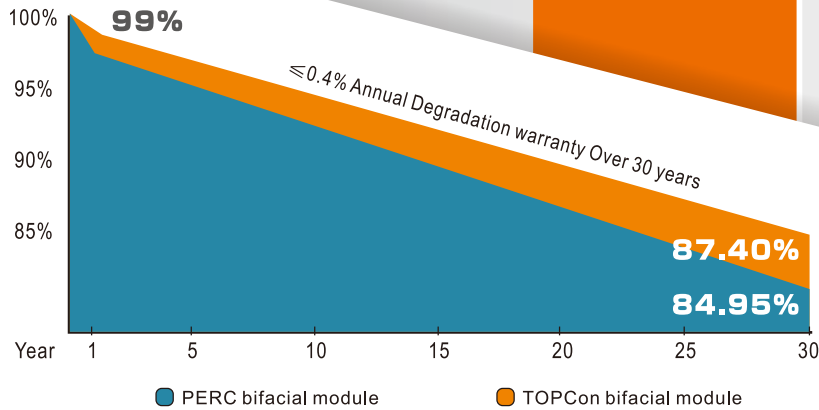


# DOUBLE-GLASS BIFACIAL N-TYPE 570~580 Watt MBB 182mm Cells

**TOPCON**



**15**  
**30**

15-year product warranty  
30-year linear power output



Global Tier 1 brand as announced by Bloomberg NEF



Lower LCOE  
Lower shading and resistive loss  
Lower temperature coefficient



Anti-PID (potential induced degradation)  
Passed anti-PID test under 85% damp heat  
85% relative humidity for 96 hours



Outstanding mechanical load resistance  
3800 Pa wind load, 5400 Pa snow load



Great Durability against extreme conditions  
Passed salt mist corrosion test, ammonia corrosion test  
dust & sand test, fire test, all certified by TÜV



CEC Listed



IEC 61215, IEC 61730

ISO 9001: 2015 (Quality management systems)

ISO 14001: 2015 (Environmental management systems)

ISO 45001: 2018 (Occupational health and safety)

UNI 9177 Ia CLASSE DI REAZIONE AL FUOCO: 1



# TOPCON (N TYPE) 570~580Watt



## ELECTRICAL SPECIFICATIONS

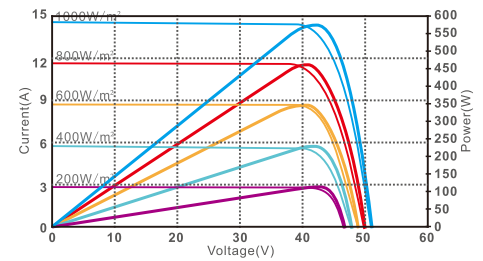
Module Type	UL-570M-144DGN		UL-575M-144DGN		UL-580M-144DGN		
	STC*	NOCT*	STC	NOCT	STC	NOCT	
Maximum Power (Pmax)	W	570	425	575	428	580	432
Maximum Power Voltage (Vmp)	V	42.20	38.8	42.30	38.9	42.40	39.0
Maximum Power Current (Imp)	A	13.51	10.94	13.59	11.01	13.68	11.08
Open-circuit Voltage (Voc)	V	50.74	46.1	50.88	46.2	51.02	46.4
Short-circuit Current (Isc)	A	14.23	11.48	14.31	11.55	14.40	11.62
Module Efficiency STC	%	22.07		22.26		22.45	
Operating Temperature	-40°C~85°C						
Maximum system voltage	DC1500V(IEC)						
Maximum series fuse rating	25A						
Power tolerance	0~+5 Watt						
Temperature coefficients of Pmax	-0.30%/°C						
Temperature coefficients of Voc	-0.250%/°C						
Temperature coefficients of Isc	0.046%/°C						
Nominal operating cell temperature (NOCT)	43±2°C						

\*STC : Cell temperature: 25°C, Irradiance: 1000 W/m², Air mass: 1.5G

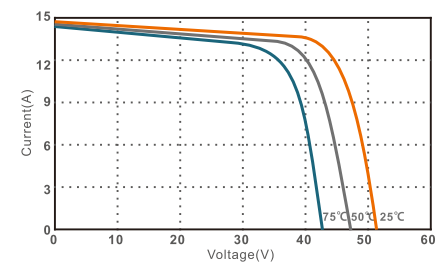
\*NOTC : Air temperature: 20°C, Irradiance: 800 W/m², Air mass: 1.5G, Wind speed: 1 m/s

## I-V CURVE

I-V characteristics at different irradiances

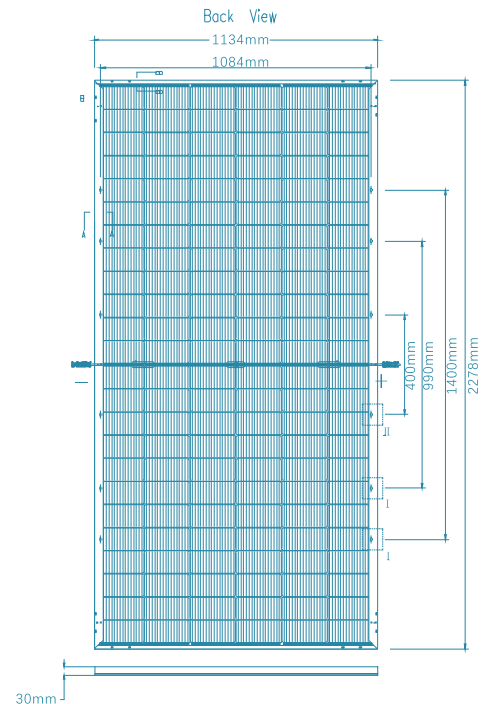


I-V characteristics at different temperature



## SPECIFICATIONS

Cell Type	N type Mono-crystalline
No. of cells	144 (6×12×2)
Dimensions	2278*1134*30mm
Weight	32Kg
Glass	2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Junction Box	IP68, 3diodes
Connector	MC4 Compatible
Cable Length (Including Connector)	4mm² Portrait: (+)400 mm/(-) 200mm Landscape: (+) 1400mm/(-)1400 mm
Packaging Configuration	Two Box=One pallet 36pcs/Box, 72pcs/Pallet, 720pcs/40HQ Container



### Electrical characteristics with different rear side power gain (reference to 570W front)

Pmax/W	Voc/V	Isc/A	Vmp/V	Imp/A	Pmax gain
570	50.7	14.23	42.2	13.51	0
599	50.7	14.94	42.2	14.18	5%
627	50.7	15.65	42.2	14.86	10%
656	50.7	16.36	42.2	15.53	15%
684	50.7	17.08	42.2	16.21	20%
713	50.7	17.79	42.2	16.88	25%
741	50.7	18.50	42.2	17.56	30%

