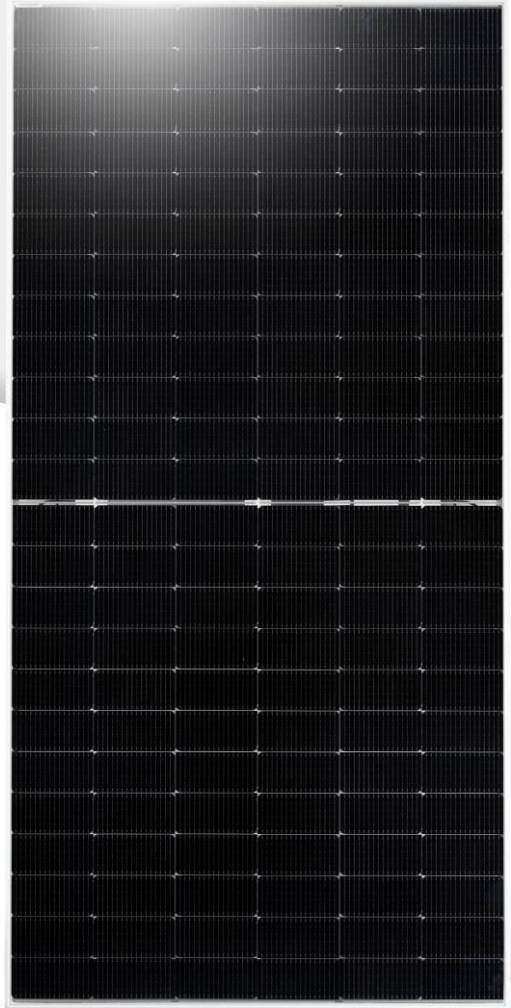
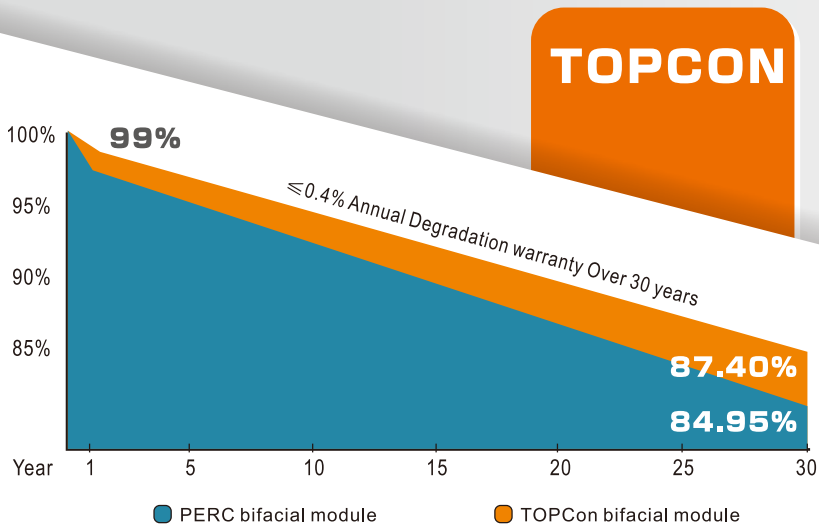


# DOUBLE-GLASS BIFACIAL N-TYPE 570~580 Watt



**15** 15-year product warranty  
**30** 30-year linear power output

**Tier 1** Bloomberg  
Global Tier 1 brand as announced by Bloomberg NEF

**Lower LCOE**  
Lower shading and resistive loss  
Lower temperature coefficient

**PID FREE**  
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

**TÜV**  
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 la CLASSE DI REAZIONE AL FUOCO: 1



# TOPCON (N TYPE) 570~580Watt



## ELECTRICAL SPECIFICATIONS

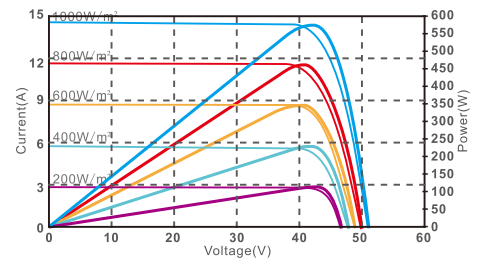
Module Type	UL-570M-144DGN		UL-575M-144DGN		UL-580M-144DGN		
	STC*	NOCT*	STC	NOCT	STC	NOCT	
Maximum Power (Pmax)	W	570	425	575	428	580	432
Maximum Power Voltage (Vmp)	V	42.20	38.8	42.30	38.9	42.40	39.0
Maximum Power Current (Imp)	A	13.51	10.94	13.59	11.01	13.68	11.08
Open-circuit Voltage (Voc)	V	50.74	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

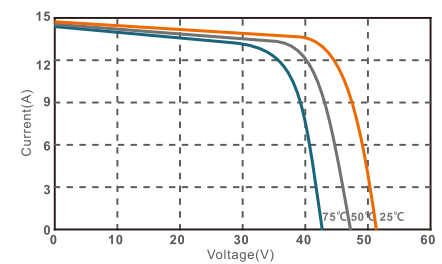
\*NOTC : Air temperature: 20°C, Irradiance: 800 W/m², Air mass: 1.5G, Wind speed: 1 m/s

## I-V CURVE

I-V characteristics at different irradiances



I-V characteristics at different temperature



## SPECIFICATIONS

Cell Type	182x91mm 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%

