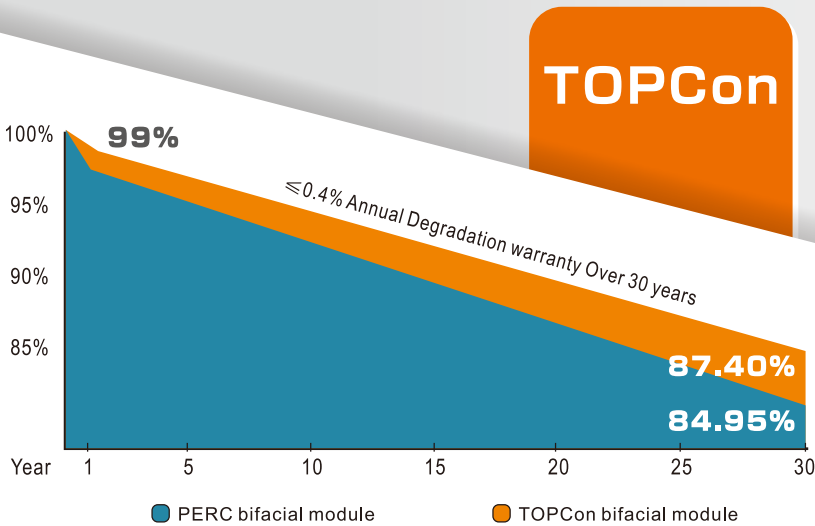


DOUBLE-GLASS BIFACIAL N-TYPE 575~590Watt



Bifacial Mono Module

Capable of generating power at back side, at least 80% efficiency of the front side



Anti-PID (potential induced degradation)

Passed anti-PID test under 85% damp heat 85% relative humidity for 192 hours



Great Durability against extreme conditions

Passed salt mist corrosion test, ammonia corrosion test, dust & sand test, fire test, all certified by TÜV



Lower LCOE

Lower shading and resistive loss
Lower temperature coefficient



Outstanding mechanical load resistance

2400 Pa wind load, 5400 Pa snow load



15-year product warranty

30-year linear power output



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) 575~590Watt



ELECTRICAL SPECIFICATIONS

Module Type	UL-575M-144ADGN		UL-580M-144ADGN		UL-585M-144ADGN		UL-590M-144ADGN		
	STC*	NOCT*	STC*	NOCT*	STC*	NOCT*	STC*	NOCT*	
Maximum Power (Pmax)	W	575	436	580	440	585	443	590	447
Maximum Power Voltage (Vmp)	V	43.85	40.34	44.02	40.50	44.17	40.64	44.35	40.80
Maximum Power Current (Imp)	A	13.11	10.80	13.18	10.85	13.24	10.91	13.30	10.96
Open-circuit Voltage (Voc)	V	52.32	47.61	52.52	47.79	52.72	47.98	52.92	48.16
Short-circuit Current (Isc)	A	13.89	11.20	13.95	11.25	14.01	11.30	14.06	11.34
Module Efficiency STC	%	22.26		22.45		22.65		22.84	
Operating Temperature	-40°C~85°C								
Maximum system voltage	DC1500V(IEC)								
Maximum series fuse rating	30A								
Power tolerance	0~+5Watt								
Temperature coefficients of Pmax	-0.29%/°C								
Temperature coefficients of Voc	-0.25%/°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

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

SPECIFICATIONS

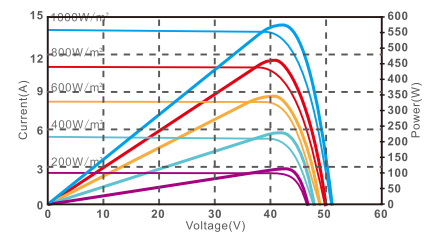
Cell Type	N type Mono-crystalline	
No. of cells	144(6×12×2)	
Dimensions	2278*1134*30mm	
Weight	30.6kg	
Glass	2.0mm+2.0mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass	
Junction Box	IP68, 3 diodes	
Connector	MC4 Compatible	
Cable Length (including Connector)	Portrait: (+)400/(-)200mm Landscape: (+)1400/(-)1400mm	
Packaging Configuration	Two Box=One Pallet 36pcs/Box, 72pcs/Pallet, 720pcs/40HQ Container	

Electrical characteristics with different rear side power gain (reference to 575 W front)

Pmax/W	Voc/V	Isc/A	Vmp/V	Imp/A	Pmax gain
575	52.32	13.89	43.85	13.11	0
604	52.32	14.58	43.85	13.77	5%
633	52.32	15.28	43.85	14.42	10%
661	52.32	15.97	43.85	15.08	15%
690	52.32	16.67	43.85	15.74	20%
719	52.32	17.36	43.85	16.39	25%
748	52.32	18.06	43.85	17.05	30%

I-V CURVE [575W]

I-V characteristics at different irradiances



I-V characteristics at different temperature

