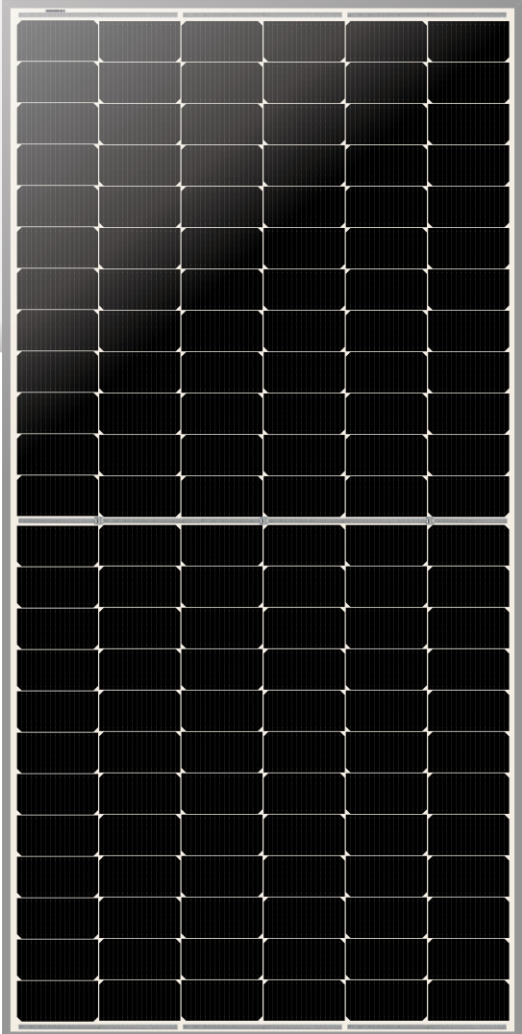
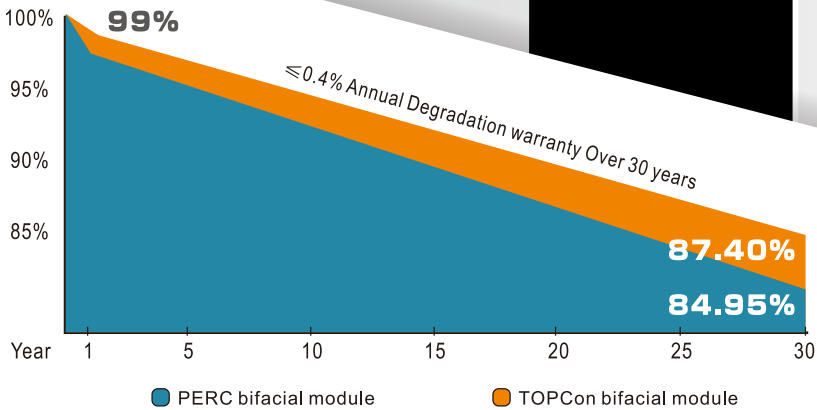


# DOUBLE-GLASS BIFACIAL N-TYPE 575~590Watt



### 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

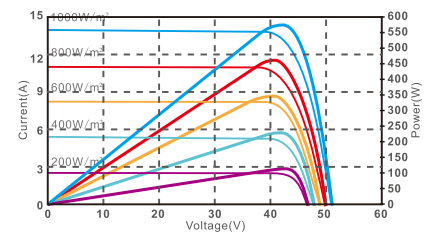
Cell Type	N type Mono-crystalline
No. of cells	144(6×12×2)
Dimensions	2278*1134*30mm
Weight	30.6kg
Glass	2.0mm+2.0mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Junction Box	IP68, 3 diodes
Connector	MC4 Compatible
Cable Length (including Connector)	4mm Portrait: (+)400/(-)200mm 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

