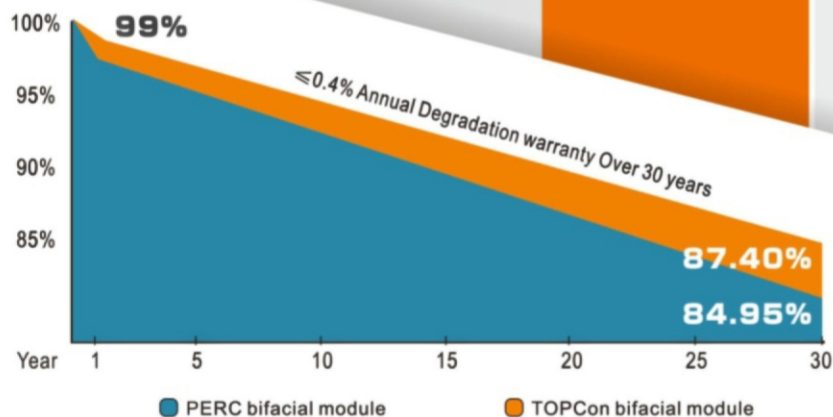


DOUBLE-GLASS BIFACIAL N-TYPE 570~580 Watt



TOPCON



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



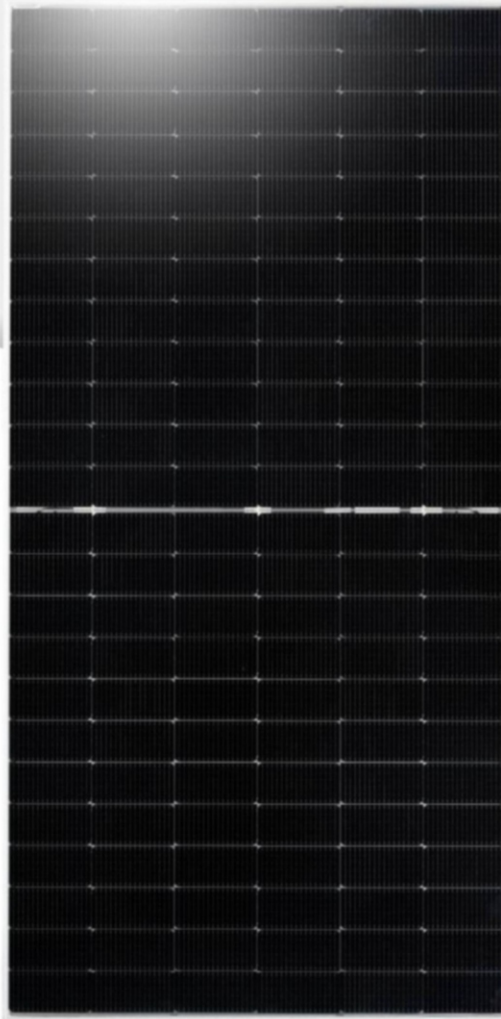
Lower LCOE
Lower shading and resistive loss
Lower temperature coefficient



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



15-year product warranty
30-year linear power output



UL 61730
ISO 90001:2016 - Quality management systems
ISO 14001:2016 - Environmental management systems
ISO 45001:2019 - Occupational health and safety
ISO 5001:2019 - Energy management system
Certificate of Origin



TOPCON (N TYPE) 570~580Watt

ELECTRICAL SPECIFICATIONS

Module Type		MS-570M-144ADGN		MS-575M-144ADGN		MS-580M-144ADGN	
		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

SPECIFICATIONS

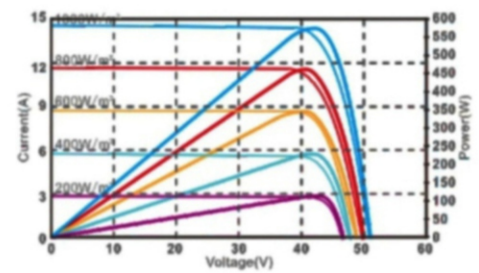
Cell Type	182×91mm N type Mono-crystalline
No. of cells	144 (6×12×2)
Dimensions	2278*1134*30mm
Weight	30.5 Kg
Glass	2.0mm+2.0mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Junction Box	IP68, 3 diodes
Connector	MC4 Compatible
Cable Length (Including Connector)	12 AWG Portrait: (+)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)

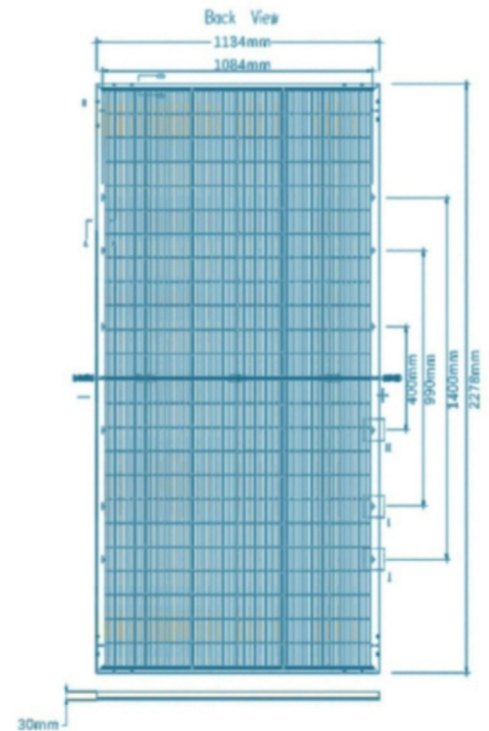
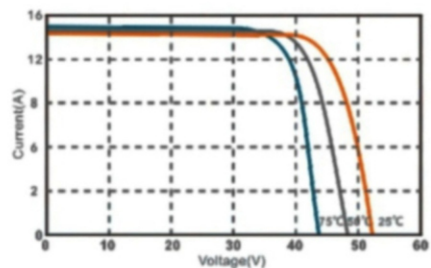
Pmax/W	Voc/V	Isc/A	Vmp/V	Imp/A	Pmax gain
570	50.7	14.23	42.2	13.51	0
599	50.7	14.94	42.2	14.18	5%
627	50.7	15.65	42.2	14.86	10%
656	50.7	16.36	42.2	15.53	15%
684	50.7	17.08	42.2	16.21	20%
713	50.7	17.79	42.2	16.88	25%
741	50.7	18.50	42.2	17.56	30%

I-V CURVE

I-V characteristics at different irradiances



I-V characteristics at different temperature



Length: ±2mm
Width: ±2mm
Height: ±1mm
Row Pitch: ±2mm

