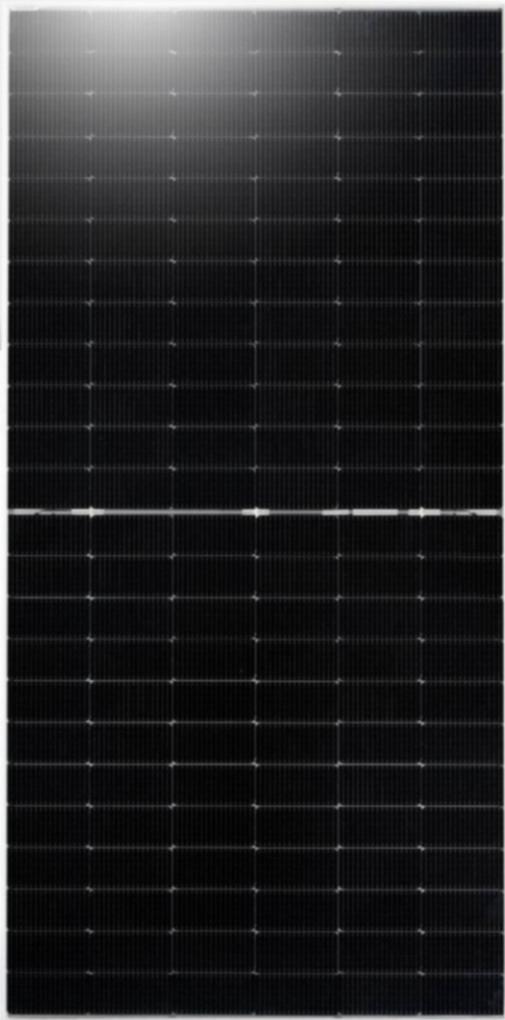
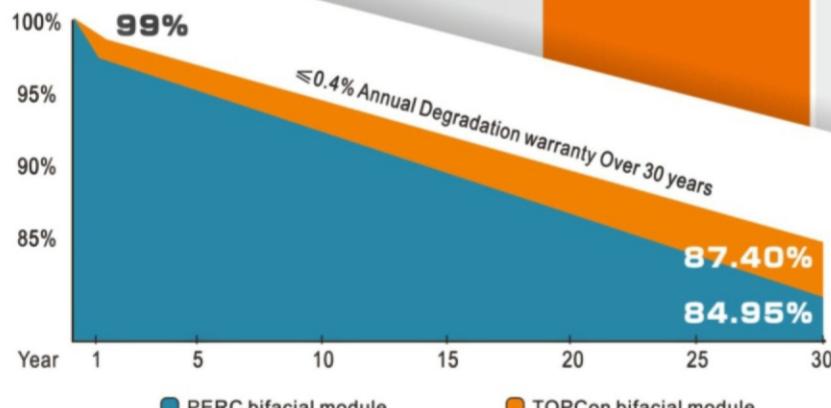


DOUBLE-GLASS BIFACIAL N-TYPE 570~580 Watt



TOPCON



PID
FREE

Anti-PID(potentialinduced 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
30
15-year product warranty
30-year linear power output

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



TOPCON (N TYPE) 570~580Watt

ELECTRICAL SPECIFICATIONS

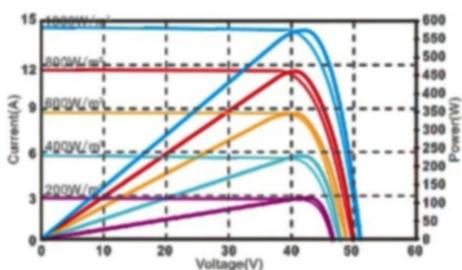
Module Type	MS-570M-144ADGN		MS-575M-144ADGN		MS-580M-144ADGN		
	STC*	NOCT*	STC	NOCT	STC	NOCT	
Maximum Power (Pmax)	W	570	425	575	428	580	432
Maximum Power Voltage (Vmp)	V	42.20	38.8	42.30	38.9	42.40	39.0
Maximum Power Current (Imp)	A	13.51	10.94	13.59	11.01	13.68	11.08
Open-circuit Voltage (Voc)	V	50.74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

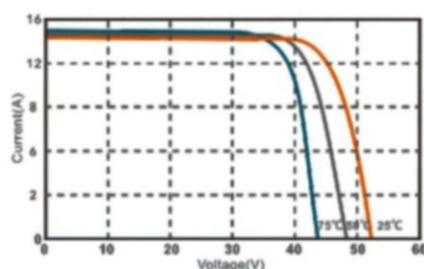
*NOCT : Air temperature: 20°C, Irradiance: 800 W/m², Air mass: 1.5G, Wind speed: 1 m/s

I-V CURVE

I-V characteristics at different irradiations

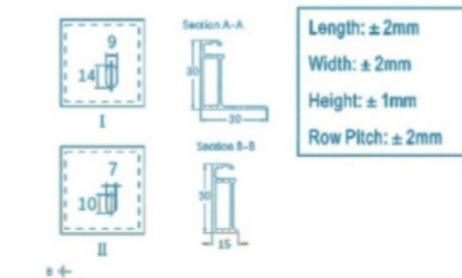
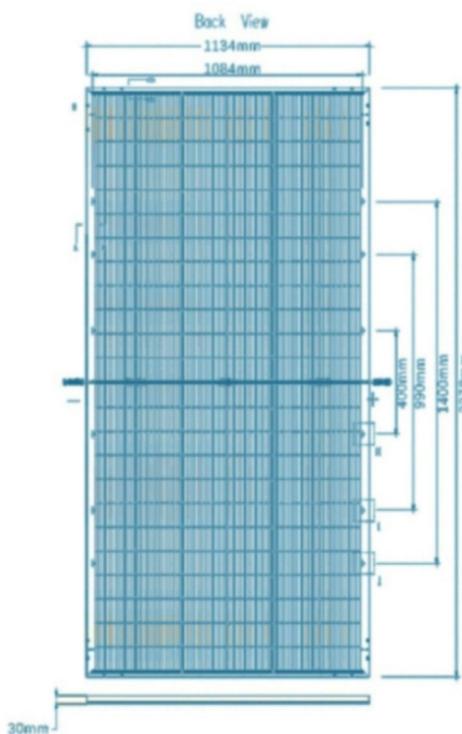


I-V characteristics at different temperature



SPECIFICATIONS

Cell Type	182x91mm N type Mono-crystalline
No. of cells	144 (6×12×2)
Dimensions	2278*1134*30mm
Weight	30.5 Kg
Glass	2.0mm+2.0mm,Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Junction Box	IP68,3diodes
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%

