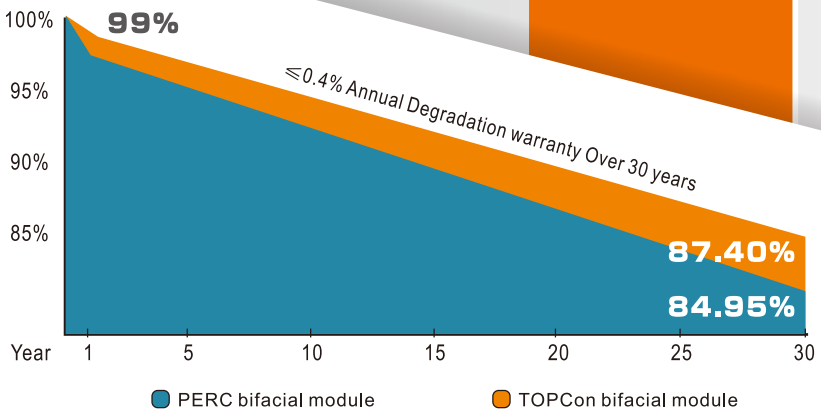
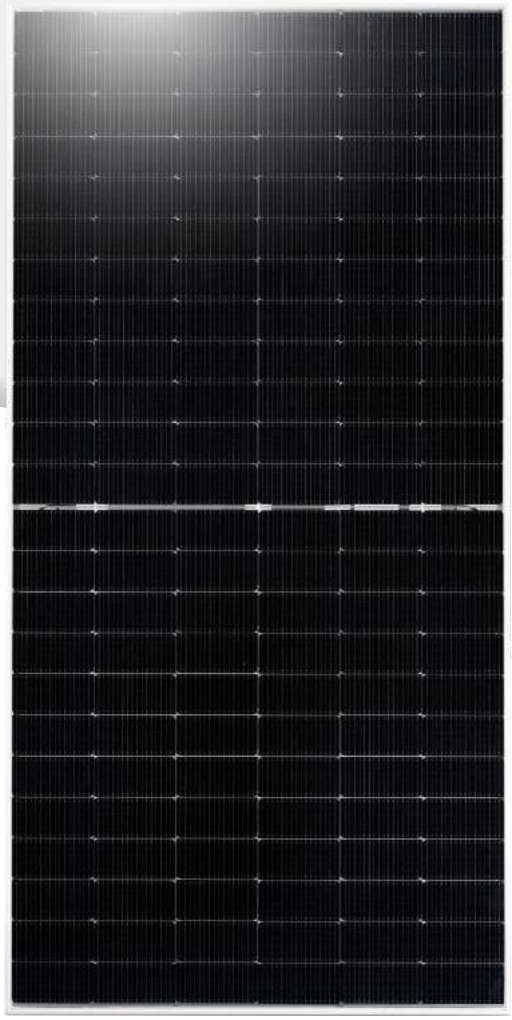
DOUBLE-GLASS BIFACIAL N-TYPE 570~580 Watt

TOPCON





15
30

15-year product warranty
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(potentialinduced 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 TUV

CE TÜV SÜD WEEE SOLAR PV CQC MCS CERTIFIED CEC Listed LAPI INMETRO

IEC 61215, IEC 61730
ISO 9001: 2015(Quality management systems)
ISO 14001: 2015 (Environmental management systems)
ISO45001: 2018 (Occupational health and safety)
UNI 9177 Ia CLASSE DI REAZIONE AL FUOCO:1

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TOPCON（N TYPE）570~580Watt

ELECTRICAL SPECIFICATIONS

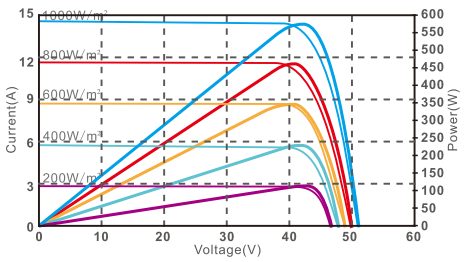
Module Type		UL-570M-144DGN		UL-575M-144DGN		UL-580M-144DGN	
		STC*	NOCT*	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	W	570	425	575	428	580	432
Maximum Power Voltage (Vmp)	V	42.20	38.8	42.30	38.9	42.40	39.0
Maximum Power Current (Imp)	A	13.51	10.94	13.59	11.01	13.68	11.08
Open-circuit Voltage (Voc)	V	50.74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

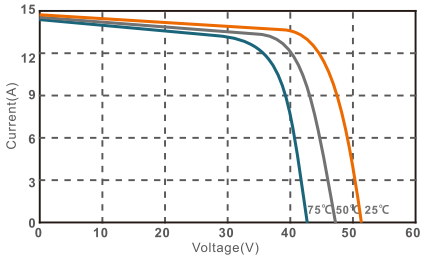
*NOTC : Air temperature: 20°C, Irradiance: 800 W/m², Air mass:1.5G, Wind speed: 1 m/s

I-V CURVE

I-V characteristics at different irradiations

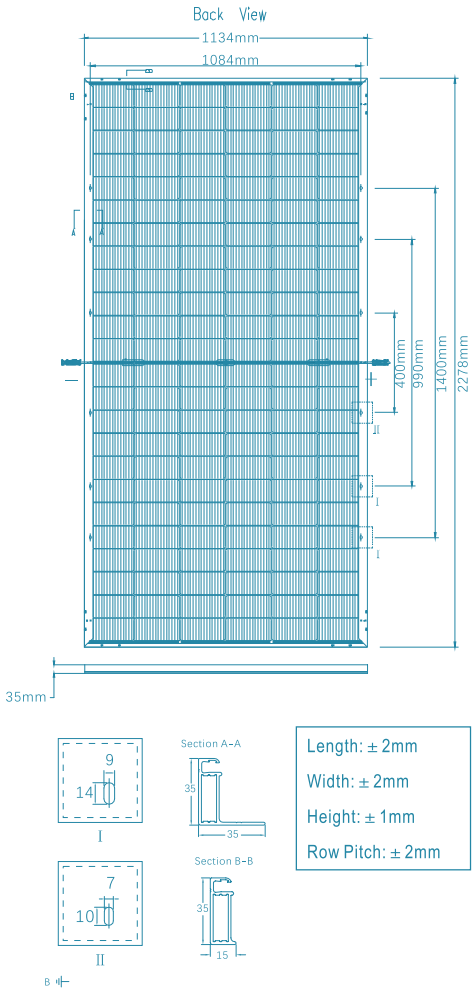


I-V characteristics at different temperature



SPECIFICATIONS

Cell Type	182×91mm N type Mono-crystalline
No. of cells	144 (6×12×2)
Dimensions	2278*1134*35mm
Weight	32.2Kg
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 31pcs/Box,62pcs/Pallet,620pcs/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%

Specifications included in this datasheet are subject to change without notice.
Ulica Solar reserves the right of final interpretation.