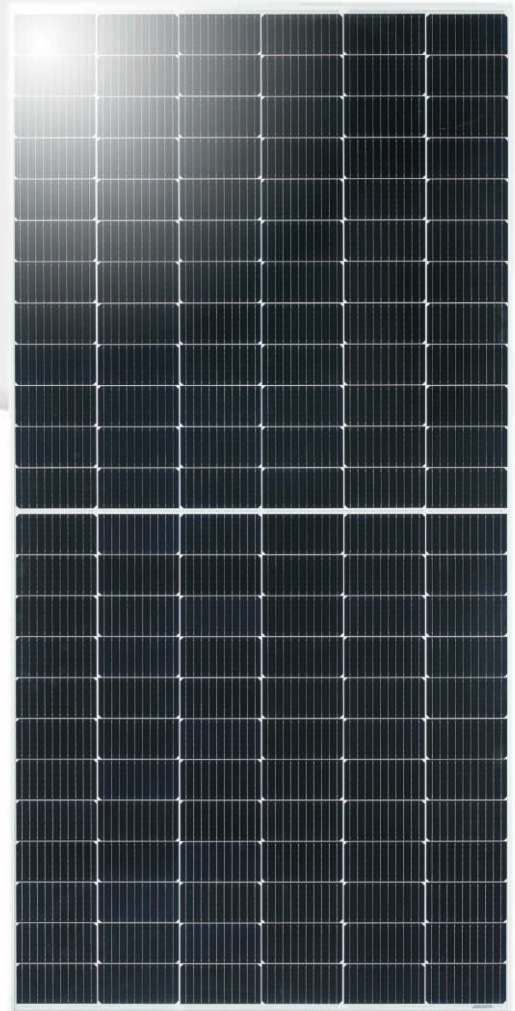
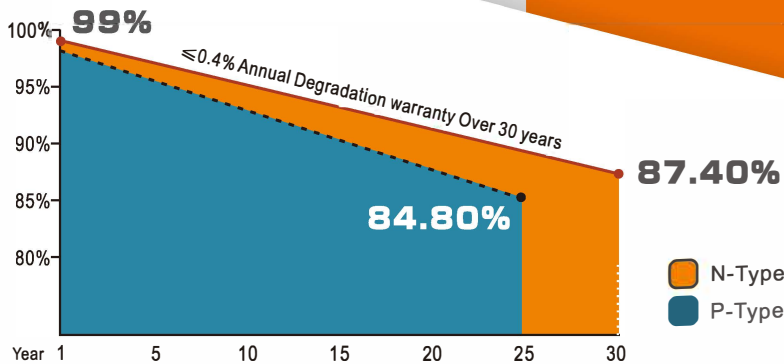


**DOUBLE-GLASS BIFACIAL MODULE
N-TYPE 570 Watt
MBB 182mm Cells**

TOPCON



15 15-year product warranty
30 30-year linear power output

Tier 1 Global Tier 1 brand as announced by Bloomberg NEF

Lower LCOE
Lower shading and resistive loss
Lower temperature coefficient

PID FREE Anti-PID (potential induced 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 TÜV



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 la CLASSE DI REAZIONE AL FUOCO: 1

DOUBLE-GLASS BIFACIAL (N TYPE) 570Watt



ELECTRICAL SPECIFICATIONS I-V CURVE

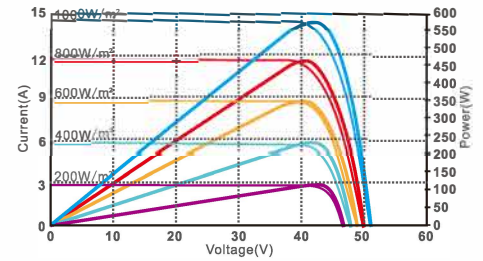
SKU: MTN-94131

Module Type	UL-570M-144DG		UL-575M-144DG		UL-580M-144DG		
	STC*	NOCT*	STC	NOCT	STC	NOCT	
Maximum Power (Pmax)	W	570	425	575	428	580	432
Maximum Power Voltage (Vmp)	V	42.2	38.8	42.3	38.9	42.4	39.0
Maximum Power Current (Imp)	A	13.51	10.94	13.59	11.01	13.68	11.08
Open-circuit Voltage (Voc)	V	50.7	46.1	50.8	46.2	51.0	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	30A						
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						

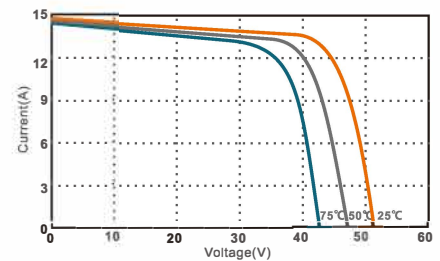
*STC : Cell temperature: 25°C, Irradiance: 1000 W/m², Air mass: 1.5G

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

I-V characteristics at different irradiances

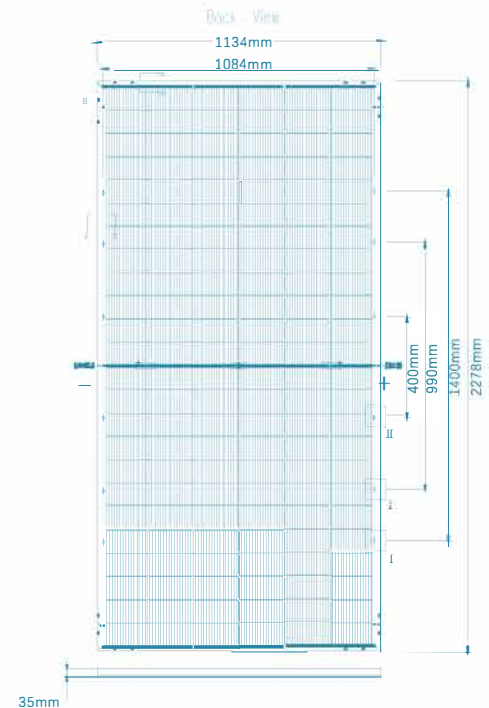


I-V characteristics at different temperature



SPECIFICATIONS

Cell Type	N type Mono-crystalline
No. of cells	144 (6×12×2)
Dimensions	2278*1134*35mm
Weight	32Kg
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%

