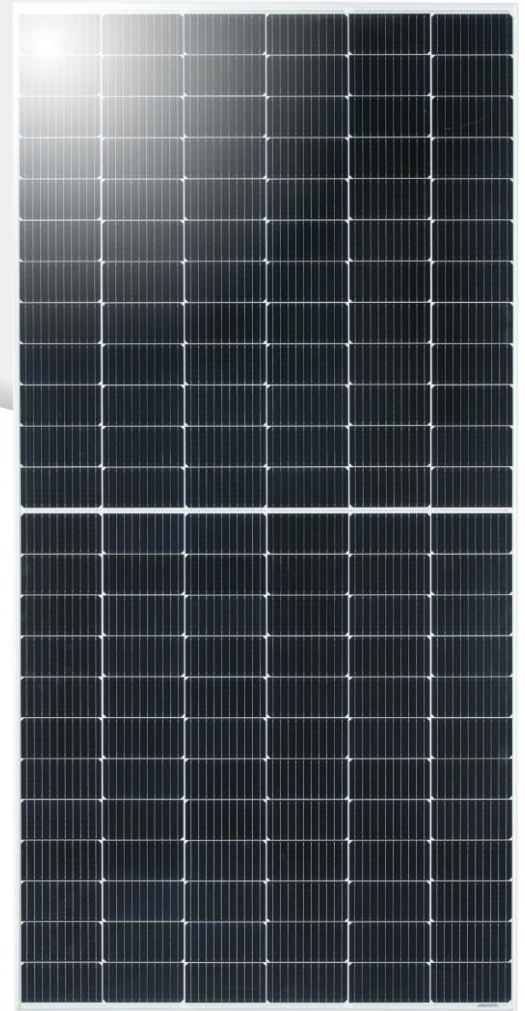
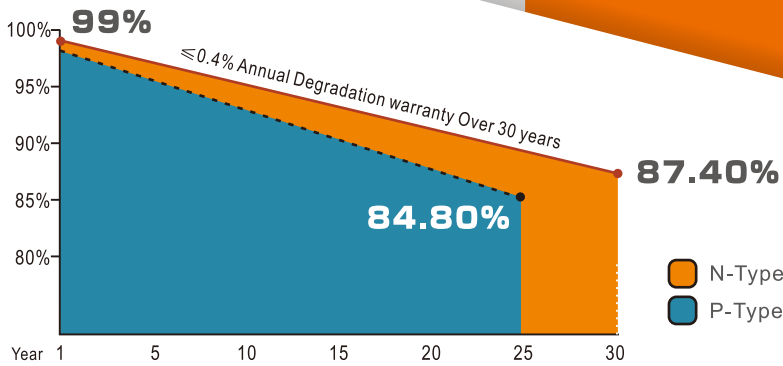


MONO-FACIAL MODULE N-TYPE 570~580 Watt MBB 182mm

TOPCON



12-year product warranty
30-year linear power output



Global Tier 1 brand as announced by Bloomberg NEF



Lower LCOE
Lower shading and resistive loss
Lower temperature coefficient



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



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 Ia CLASSE DI REAZIONE AL FUOCO: 1



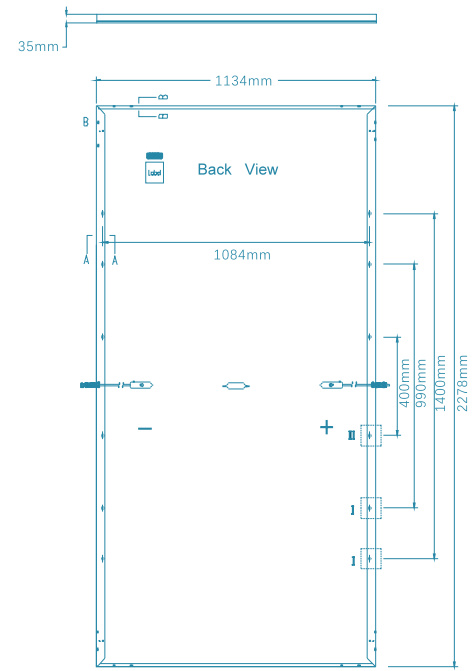
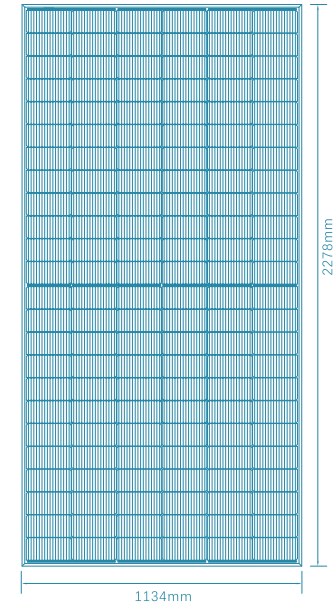
TOPCON (N TYPE) 570-580Watt

ELECTRICAL SPECIFICATIONS

| Module Type | UL-570M-144HV | | UL-575M-144HV | | UL-580M-144HV | | |
|---|---------------|-------|---------------|-------|---------------|-------|-------|
| | 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 | 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

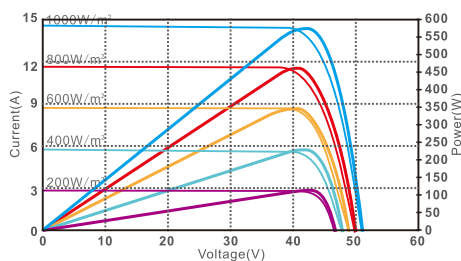


SPECIFICATIONS

| | | |
|------------------------------------|---|--|
| Cell Type | N type Mono-crystalline | |
| No. of cells | 144 (6×12×2) | |
| Dimensions | 2278*1134*35mm | |
| Weight | 27.5Kg | |
| Front Glass | 3.2mm, 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 | |

I-V CURVE

I-V characteristics at different irradiances



I-V characteristics at different temperature

