

Pure Black **PRO** series

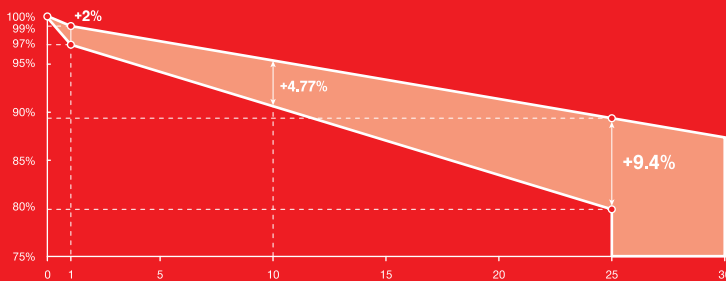
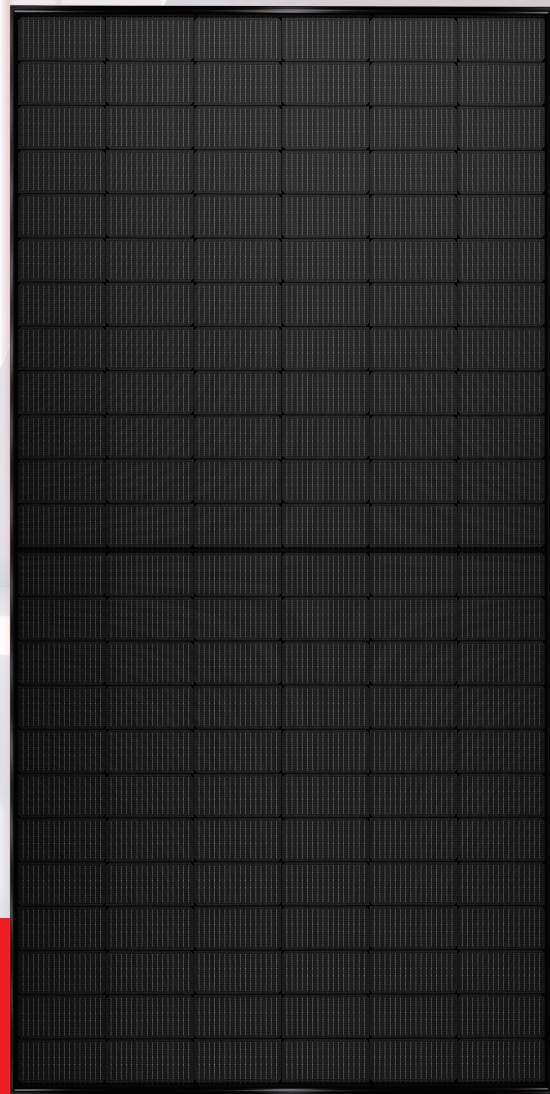
182 N-TOPCon Bifacial Module

560W ~ 575W

12 years product workmanship warranty

30 years linear power output warranty

1% 1st-year degradation
0.40% annual degradation



Conventional LESSO Solar Module

FEATURES AND BENEFITS

- N-TOPCon brings 10-30% additional power generation comparing with conventional P-type module.
- N-TOPCon solar cell has no LID naturally which can increase power generation.
- Higher bifaciality, higher power output and lower BOS cost.
- Double sides power output to reach higher comprehensive efficiency and get more profit.
- Higher power output even under low-light environments like on cloudy or foggy days.
- Higher power generation under working conditions, thanks to passivating contact cell technology.
- More application scenes like BIPV, vertical installation, snowfield, high-humid, windy and dusty area.

LESSO 182 Pure Black N-TOPCon Bifacial Module



Power Range
560W ~ 575W



Power Output Tolerance
0W ~ +5W

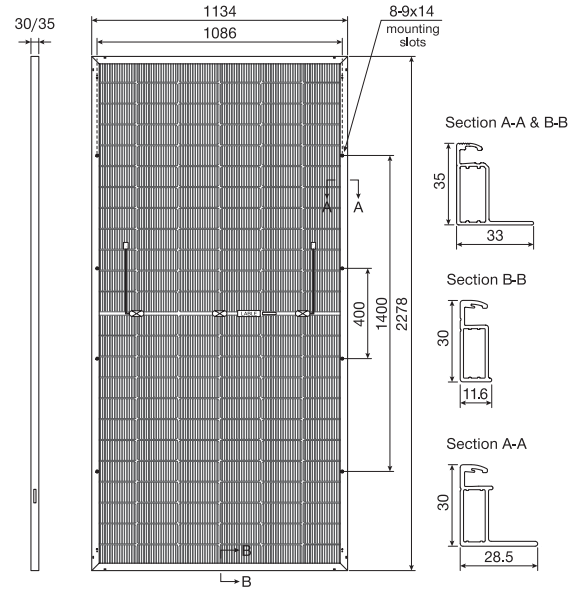


Maximum Efficiency
22.26%

Structure Performance

(Unit: mm)

Solar Cell Type	182mm N-TOPCon Mono Cell (Half Cell)
Solar Cell Arrangement	144pcs(6×24)
Module Dimension	2278×1134×35mm/30mm
Weight	32.3kg(35mm) / 31.2kg(30mm)
Front Glass	2.0mm, highly transparent tempered glass with anti-reflective coating
Frame	Anodized Aluminum Alloy (Black)
Junction Box	IP68 rated
Cable	4mm ² , portrait ^{400mm (+)} / _{200mm (-)} , landscape ^{1400mm (+)} / _{1400mm (-)} Length can be customized
Diode Quantity	3 pcs
Front side / Rear side	5400pa / 2400pa
Connector	MC4 Compatible
Per Pallet	31pcs(35mm) / 36pcs(30mm)
Per Container(40'HQ)	620pcs(35mm) / 720pcs(30mm)



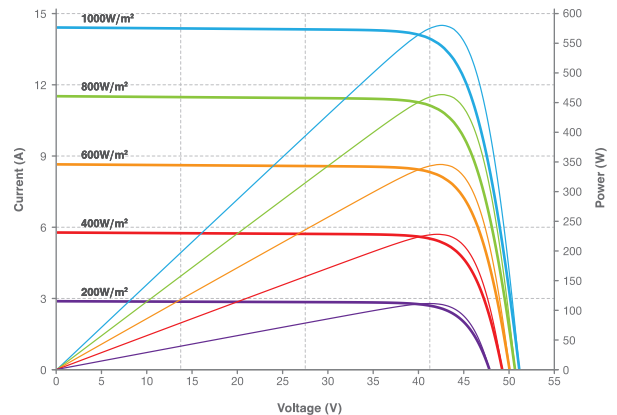
Electrical Performance Parameters | STC

Model Type	560C(BBD) 72(182)	565C(BBD) 72(182)	570C(BBD) 72(182)	575C(BBD) 72(182)
Nominal Max. Power P _{max} (W)	560	565	570	575
Max. Power Voltage V _{mp} (V)	41.90	42.05	42.20	42.35
Max. Power Current I _{mp} (A)	13.37	13.44	13.51	13.58
Open Circuit Voltage V _{oc} (V)	50.33	50.53	50.73	50.92
Short Circuit Current I _{sc} (A)	14.17	14.23	14.30	14.36
Module Efficiency (%)	21.68	21.87	22.07	22.26
Power Output Tolerance (W)	0~+5W			

* STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5.

* Power measurement tolerance ±3%.

Current-Voltage & Power-Voltage Curve (580C)



Electrical Performance Parameters | NMOT

Model Type	560C(BBD) 72(182)	565C(BBD) 72(182)	570C(BBD) 72(182)	575C(BBD) 72(182)
Nominal Max. Power P _{max} (W)	421	425	429	433
Max. Power Voltage V _{mp} (V)	39.47	39.58	39.69	39.80
Max. Power Current I _{mp} (A)	10.67	10.74	10.81	10.88
Open Circuit Voltage V _{oc} (V)	47.80	47.99	48.18	48.37
Short Circuit Current I _{sc} (A)	11.44	11.49	11.53	11.58

* NMOT: Irradiance 800W/m², Cell Temperature 20°C, Wind Speed 1m/s.

* Power measurement tolerance ±3%.

Temperature Characteristics

Nominal Module Operating Temperature	44±2°C
Temperature Coefficient (I_{sc})	+0.043%
Temperature Coefficient (V_{oc})	-0.25%
Temperature Coefficient (P_{max})	-0.30%

Maximum Parameters

Working Temperature	-40~+85°C
Maximum System Voltage	1500V DC
Nominal Maximum Fuse Current	30A