



N-TopCon series

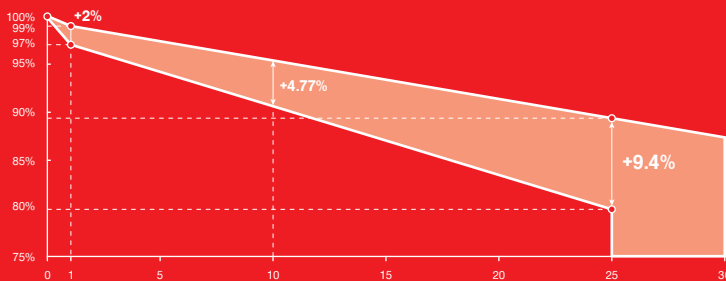
182 N-TopCon Bifacial Module

560W ~ 580W

 **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 N-TopCon Bifacial Module



Power Range
560W ~ 580W



Power Output Tolerance
0W ~ +5W

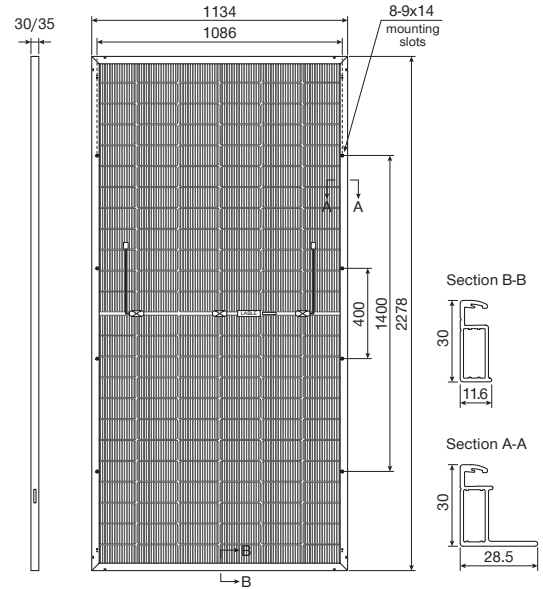


Maximum Efficiency
22.45%

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
Junction Box	IP68 rated
Cable	4mm ² , portrait $\begin{matrix} 400mm (+) \\ 200mm (-) \end{matrix}$, landscape $\begin{matrix} 1400mm (+) \\ 1400mm (-) \end{matrix}$ 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)



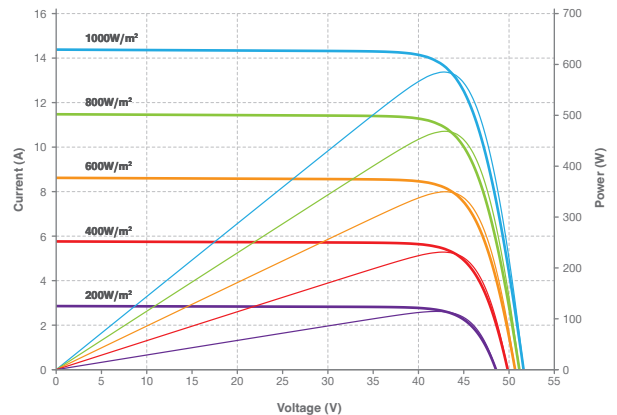
Electrical Performance Parameters | STC

Model Type	560C(HBD) 72(182)	565C(HBD) 72(182)	570C(HBD) 72(182)	575C(HBD) 72(182)	580C(HBD) 72(182)	
Nominal Max. Power	P _{max} (W)	560	565	570	575	580
Max. Power Voltage	V _{mp} (V)	42.11	42.30	42.45	42.60	42.75
Max. Power Current	I _{mp} (A)	13.30	13.36	13.43	13.50	13.57
Open Circuit Voltage	V _{oc} (V)	50.63	50.83	51.03	51.23	51.43
Short Circuit Current	I _{sc} (A)	14.09	14.15	14.21	14.27	14.33
Module Efficiency	(%)	21.68	21.87	22.07	22.26	22.45
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 (585C)



Electrical Performance Parameters | NMOT

Model Type	560C(HBD) 72(182)	565C(HBD) 72(182)	570C(HBD) 72(182)	575C(HBD) 72(182)	580C(HBD) 72(182)	
Nominal Max. Power	P _{max} (W)	421	425	429	433	437
Max. Power Voltage	V _{mp} (V)	39.57	39.72	39.87	40.02	40.17
Max. Power Current	I _{mp} (A)	10.64	10.70	10.76	10.82	10.88
Open Circuit Voltage	V _{oc} (V)	48.09	48.28	48.47	48.66	48.85
Short Circuit Current	I _{sc} (A)	11.37	11.42	11.46	11.51	11.56

* 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

