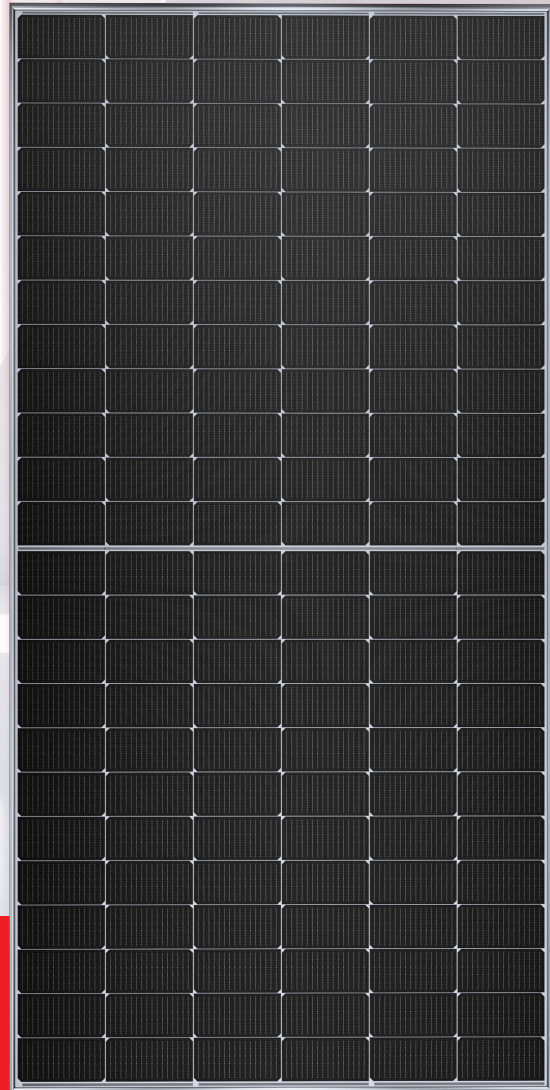


LTH series

580-600W

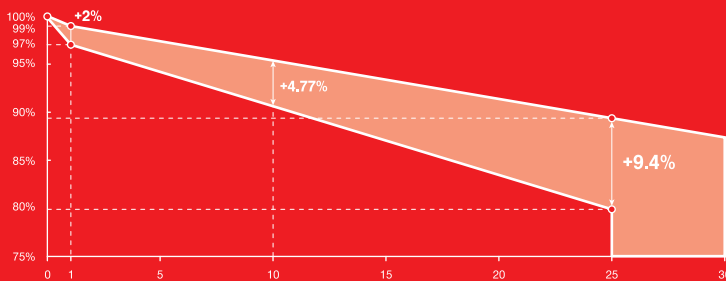
182-72 N-TOPCon
Dual-glass Bifacial Module



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



TOPCon technology, higher power generation.



High density packaging, improving energy density.



Even cloudy or foggy days, better weak illumination response.



Zero LID, increase power generation.



Better temperature coefficient, more power generation.



Higher power output, lower bos cost.



Multiple weather, resistance tests, wider applicability.



Double-sided generation, powerfully energy boost.

LESSO 182 N-TOPCon Dual-glass Bifacial Module (72)



Power Range
580W ~ 600W



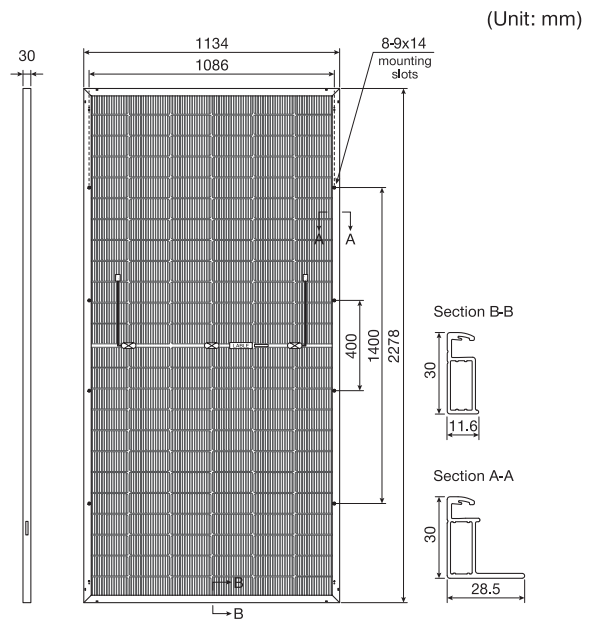
Power Output Tolerance
0W ~ +5W



Maximum Efficiency
23.23%

Structure Performance

Solar Cell Type	182mm N-TOPCon Mono Cell (Half Cell)
Solar Cell Arrangement	144pcs(6×24)
Module Dimension	2278×1134×30mm
Weight	31.2kg
Front Glass	2.0mm, highly transparent tempered glass with anti-reflective coating
Frame	Anodized Aluminum Alloy
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	36pcs
Per Container(40'HQ)	720pcs

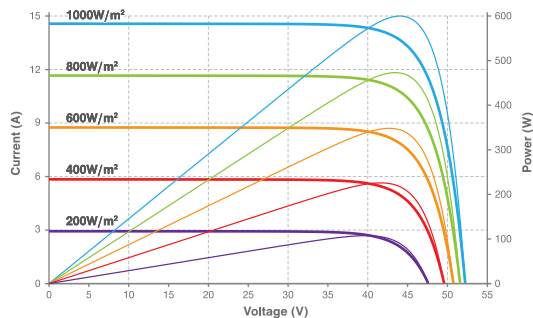


Electrical Performance Parameters

Model Type		580C(HBD)72(182)	585C(HBD)72(182)	590C(HBD)72(182)	595C(HBD)72(182)	600C(HBD)72(182)
Nominal Max. Power	P_{MAX} (W)	580	585	590	595	600
Max. Power Voltage	V_{MP} (V)	42.75	42.89	43.04	43.18	43.33
Max. Power Current	I_{MP} (A)	13.57	13.64	13.71	13.78	13.85
Open Circuit Voltage	V_{OC} (V)	51.43	51.63	51.83	52.03	52.23
Short Circuit Current	I_{SC} (A)	14.33	14.39	14.45	14.51	14.57
Module Efficiency	(%)	22.45	22.65	22.84	23.03	23.23

* STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5; Power measurement tolerance ±3%.

Current-Voltage & Power-Voltage Curve (600W)



Bifacial Output-rearside Power Gain

		P_{MAX} (W)					
5%	Maximum Power	P_{MAX} (W)	609	614	620	625	630
	Module Efficiency	(%)	23.57	23.78	23.98	24.18	24.39
10%	Maximum Power	P_{MAX} (W)	638	644	649	655	660
	Module Efficiency	(%)	24.70	24.91	25.12	25.34	25.55
25%	Maximum Power	P_{MAX} (W)	725	731	738	744	750
	Module Efficiency	(%)	28.07	28.31	28.55	28.79	29.03

Temperature Characteristics

Nominal Module Operating Temperature	44±2°C	Temperature Coefficient (V_{OC})	-0.25%
Temperature Coefficient (I_{SC})	+0.043%	Temperature Coefficient (P_{MAX})	-0.30%

Maximum Parameters

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