


P series

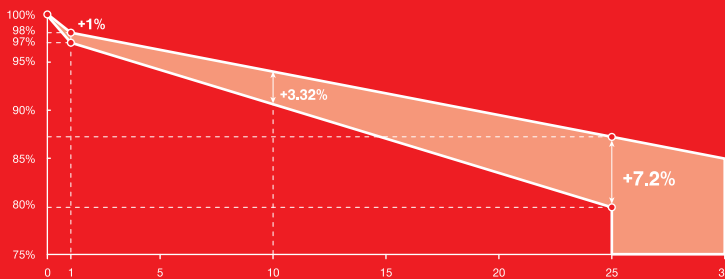
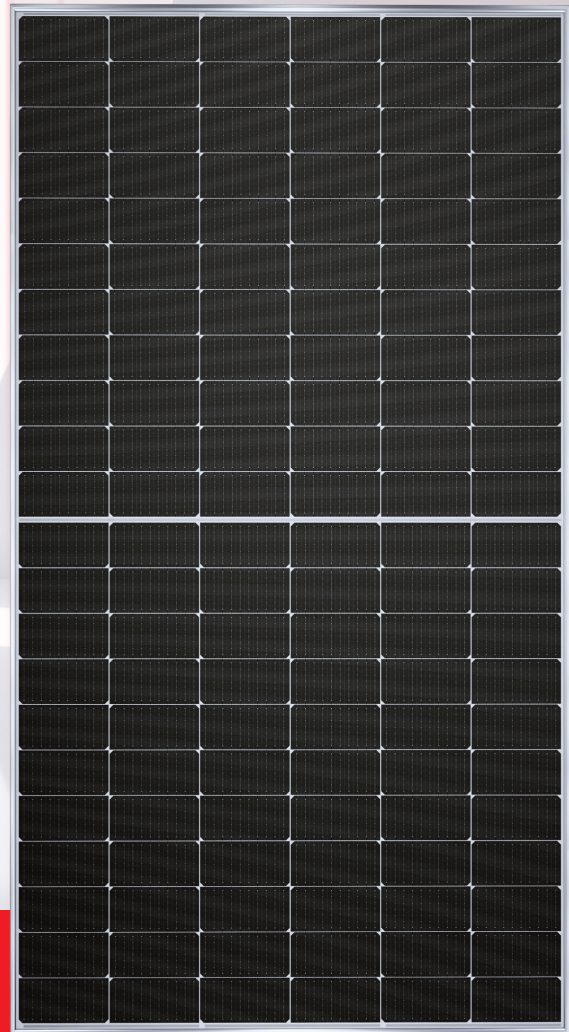
182 P-type Bifacial Module

495W ~ 505W

 **12** years product workmanship warranty

 **30** years linear power output warranty

 **2%** 1st-year degradation
0.45% annual degradation



 Conventional  LESSO Solar Module

FEATURES AND BENEFITS



MBB technology reducing string & busbar loss.



Better temperature coefficient, more power generation.



Even cloudy or foggy days, better weak illumination response.



Zero LID, increase power generation.



High efficiency PERC, better resistance against PID.



Higher power output, lower bos cost.



Multiple weather, resistance tests, wider applicability.



Double-sided generation, powerfully energy boost.

LESSO 182 P-type Bifacial Module (66)



Power Range
495W ~ 505W



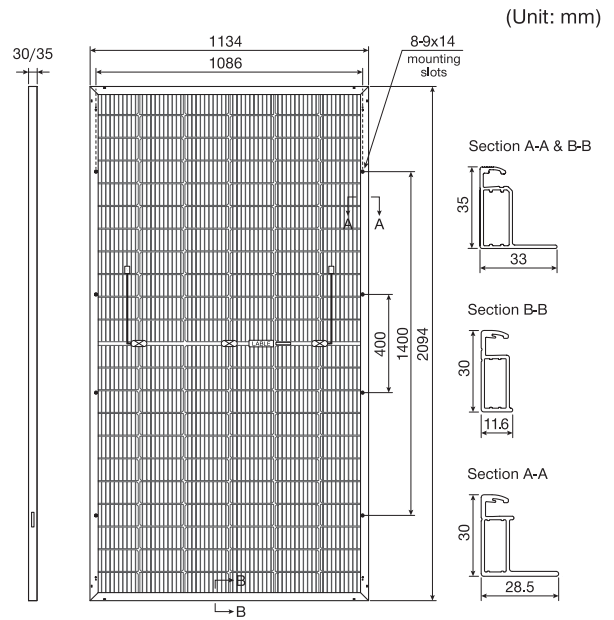
Power Output Tolerance
0W ~ +5W



Maximum Efficiency
21.27%

Structure Performance

Solar Cell Type	182mm Mono-crystalline (Half Cell)
Solar Cell Arrangement	132pcs(6x22)
Module Dimension	2094×1134×35mm/30mm
Weight	29.6kg(35mm) / 28.4kg(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 ^{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)	682pcs(35mm) / 792pcs(30mm)

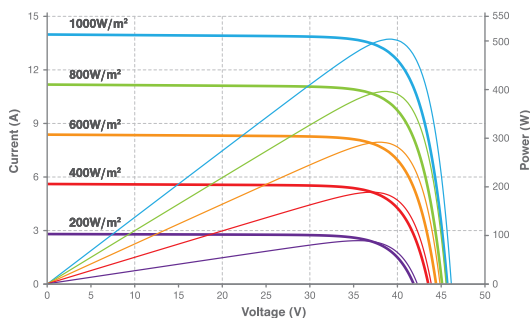


Electrical Performance Parameters

Model Type	495D(HBD)66(182)		500D(HBD)66(182)		505D(HBD)66(182)	
	STC	NMOT	STC	NMOT	STC	NMOT
Nominal Max. Power P_{MAX} (W)	495	367	500	372	505	377
Max. Power Voltage V_{MP} (V)	38.20	35.16	38.38	35.50	38.56	35.84
Max. Power Current I_{MP} (A)	12.96	10.44	13.03	10.48	13.10	10.52
Open Circuit Voltage V_{OC} (V)	45.36	43.06	45.48	43.18	45.62	43.32
Short Circuit Current I_{SC} (A)	13.85	11.19	13.92	11.24	13.99	11.30
Module Efficiency (%)	20.85		21.06		21.27	

* STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5; NMOT: Irradiance 800W/m², Ambient Temperature 20°C, Air Mass AM1.5, Wind Speed 1m/s; Power measurement tolerance ±3%.

Current-Voltage & Power-Voltage Curve (505D)



Bifacial Output-rearside Power Gain

Gain	Maximum Power P_{MAX} (W)		Module Efficiency (%)	
	5%	520	525	21.89%
10%	545	550	22.93%	23.39%
	619	625	26.06%	26.58%

Temperature Characteristics

Nominal Module Operating Temperature	44±2°C	Temperature Coefficient (V_{OC})	-0.26%
Temperature Coefficient (I_{SC})	+0.048%	Temperature Coefficient (P_{MAX})	-0.34%

Maximum Parameters

Working Temperature	-40~+85°C
Maximum System Voltage	1500V DC
Nominal Maximum Fuse Current	25A