



210 P-type series

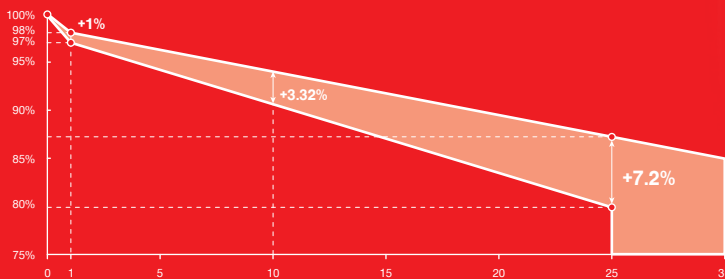
210 P-type Bifacial Module

585W ~ 605W

 **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

-  The application of multi-busbar (MBB) half-cut cell technology brings stronger resistance to shade and lower risk of hot spot.
-  Strict control on raw materials and process optimization of high efficiency PERC ensure better resistance against PID of PV module.
-  Through harsh weathering tests of sand, dust, salt mist, ammonia, etc., to get stronger weather resistance of outdoor environment.
-  Double sides power output to reach higher comprehensive efficiency and get more profit.

-  By series and parallel design, to reduce the series RS and achieve higher power output and lower BOS cost.
-  Lower temperature coefficient and lower operating temperature can ensure higher power generation.
-  Lower oxygen and carbon content result in lower LID.

LESSO 210 P-type Bifacial Module



Power Range
585W ~ 605W



Power Output Tolerance
0W ~ +5W

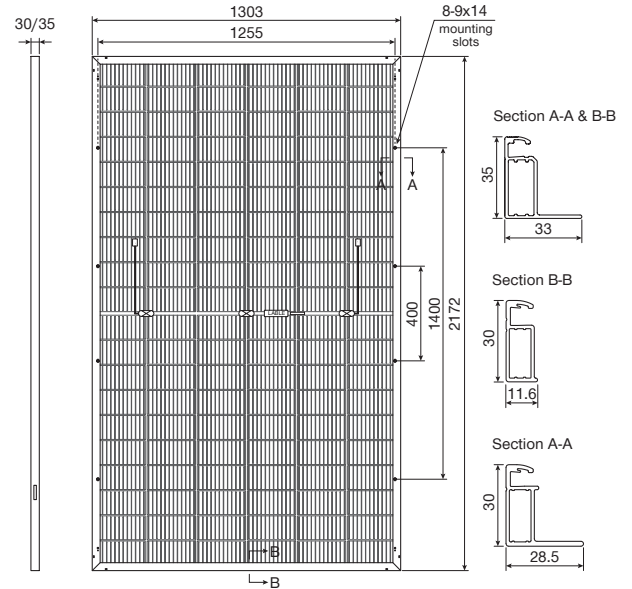


Maximum Efficiency
21.38%

Structure Performance

Solar Cell Type	210mm Mono-crystalline (Half Cell)
Solar Cell Arrangement	120pcs(6×20)
Module Dimension	2172×1303×35mm/30mm
Weight	35.6kg(35mm) / 33.7kg(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)	558pcs(35mm) / 648pcs(30mm)

(Unit: mm)



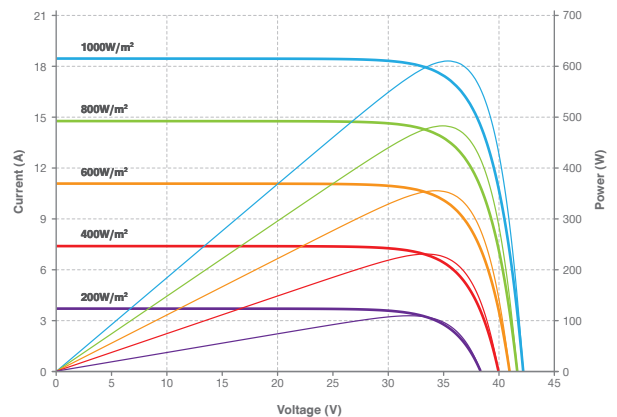
Electrical Performance Parameters | STC

Model Type	585D(HBD) 60(210)	590D(HBD) 60(210)	595D(HBD) 60(210)	600D(HBD) 60(210)	605D(HBD) 60(210)	
Nominal Max. Power	P _{max} (W)	585	590	595	600	605
Max. Power Voltage	V _{mp} (V)	33.93	34.13	34.33	34.53	34.73
Max. Power Current	I _{mp} (A)	17.25	17.29	17.34	17.38	17.43
Open Circuit Voltage	V _{oc} (V)	41.20	41.40	41.60	41.80	42.00
Short Circuit Current	I _{sc} (A)	18.25	18.29	18.33	18.37	18.41
Module Efficiency	(%)	20.67	20.85	21.02	21.20	21.38
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 (610D)



Electrical Performance Parameters | NMOT

Model Type	585D(HBD) 60(210)	590D(HBD) 60(210)	595D(HBD) 60(210)	600D(HBD) 60(210)	605D(HBD) 60(210)	
Nominal Max. Power	P _{max} (W)	443	447	451	455	459
Max. Power Voltage	V _{mp} (V)	31.63	31.82	32.01	32.21	32.40
Max. Power Current	I _{mp} (A)	14.01	14.05	14.09	14.13	14.17
Open Circuit Voltage	V _{oc} (V)	38.80	39.00	39.20	39.40	39.60
Short Circuit Current	I _{sc} (A)	14.71	14.75	14.79	14.83	14.87

* 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})	+0.048%
Temperature Coefficient (V _{oc})	-0.26%
Temperature Coefficient (P _{max})	-0.34%

Maximum Parameters

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