



LESSO

SOLAR PV MODULES

Lesso New Energy Global Trading Private Limited

One Raffles Quay, North Tower, #19-03, Singapore 048583

LESSO Group (2128) is listed in the Stock Exchange of Hong Kong.

 www.lessosolar.com  info@lessosolar.com     LESSO Solar

LESSO

BUILDING A SOLAR-POWERED WORLD



CONTENT

- OVERVIEW** 02
- MANUFACTURING GIANT** 03
- Global Footprint** 04
- PRODUCTS** 06
 - N-TOPCon series 06
 - Pure Black series 16
 - P-type series 22
- PROJECT HIGHLIGHTS** 30

A Bright and Exciting Journey

LESSO Group is a Hong Kong-listed (2128.HK) manufacturer of building materials with an annual revenue of over USD 4.38 billion from its global operations.

LESSO Solar, a flagship division of LESSO Group, specialises in manufacturing solar panels, inverters, and energy storage systems, and providing solar-energy solutions.

Founded in 2022, LESSO Solar has been growing with spectacular pace, with global production capacity of over 15.3GW for solar panels and 6GW for solar cells.



USD4.38 bil
Annual Sales Revenue



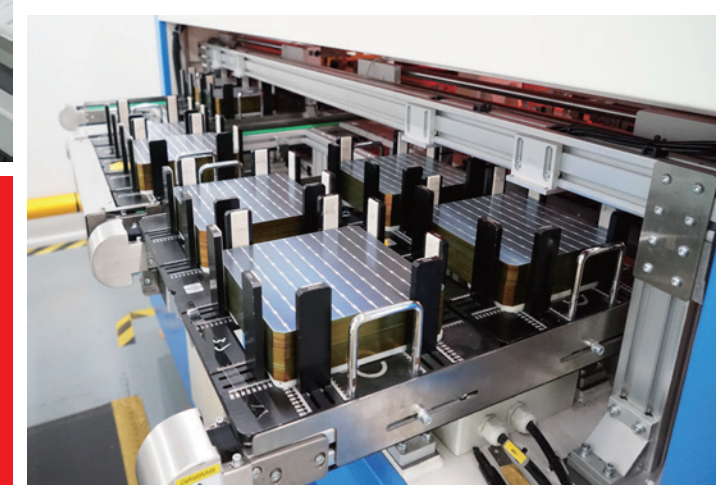
5 major
Manufacturing Bases



38 years
Production Experience



15.3 GW
Solar Modules Manufacturing Capacity



Leading the Future with Intelligent Manufacturing

Poised to grow into a large-scale global manufacturer of solar solutions, we are rapidly expanding our production capabilities by utilizing the latest manufacturing technologies and building more factories around the world.

Using only the best raw materials and leveraging on our in-house logistics capabilities, we ensure each step of the process is well controlled to deliver the best experience for our customers.

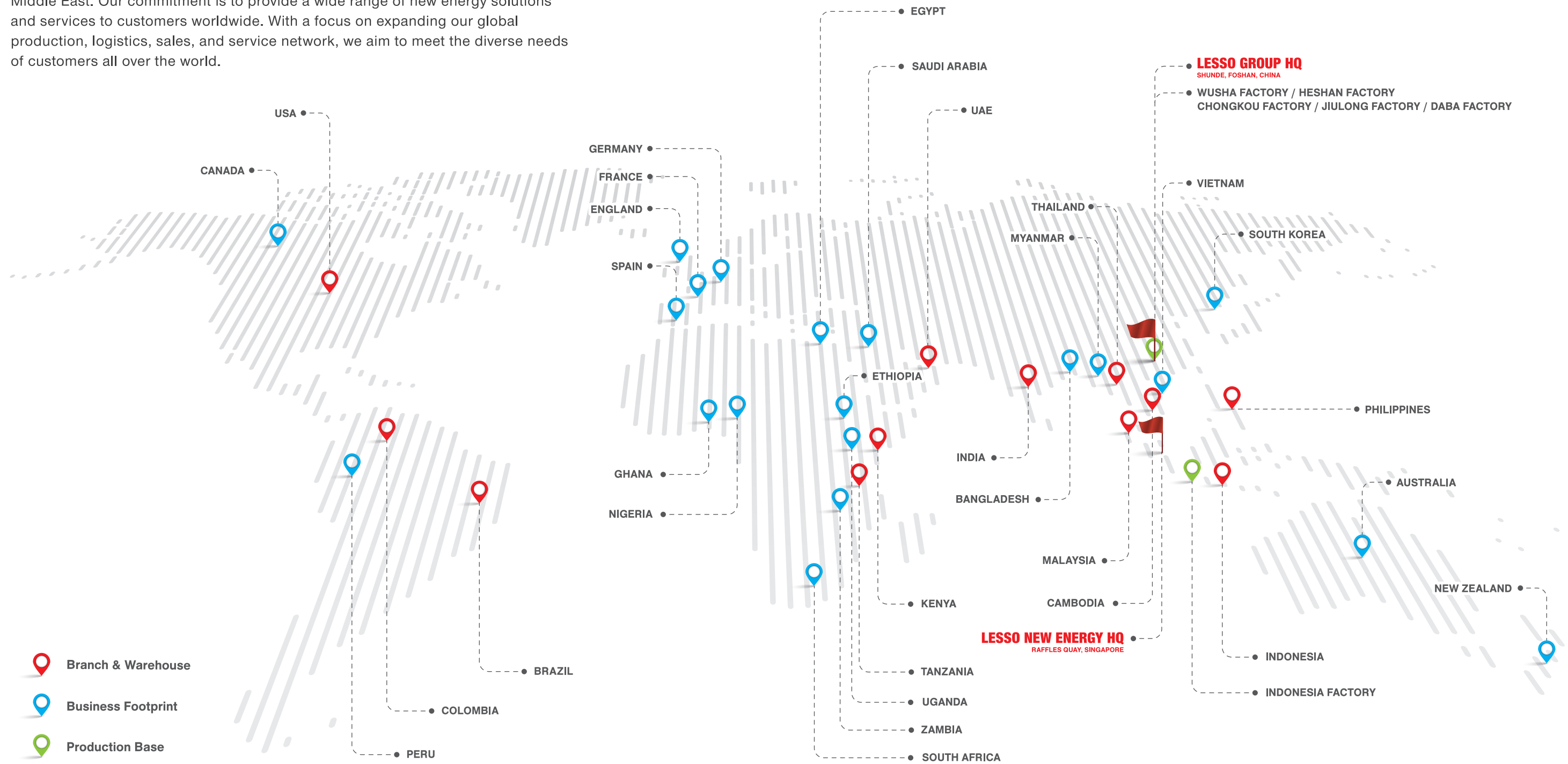
Our Certificates

IEC61215, IEC61730,
ISO 9001:2015 Quality management system,
ISO 14001:2015 Environment management system,
ISO 45001:2018 Occupational health and safety management system



LESSO Solar Global Footprint

Drawing upon the extensive resources of LESSO, the global footprint of LESSO solar has covered Asia, North America, South America, Europe, South Africa, and the Middle East. Our commitment is to provide a wide range of new energy solutions and services to customers worldwide. With a focus on expanding our global production, logistics, sales, and service network, we aim to meet the diverse needs of customers all over the world.

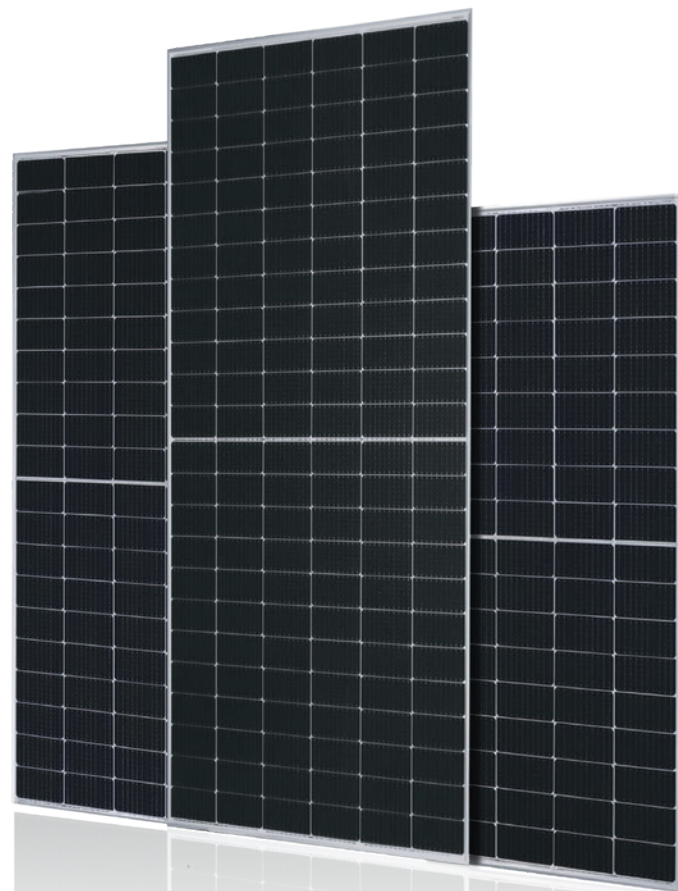


N-TOPCon series

Cutting-edge Technology, Leading Innovation

Features and Benefits

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

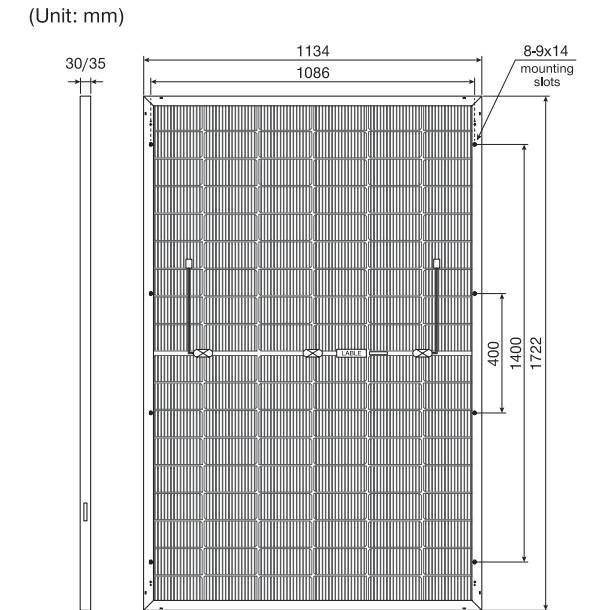


182 N-TOPCon Bifacial Module

Power Range
415W ~ 430W

Power Output Tolerance
0W ~ +5W

Maximum Efficiency
22.02%



Electrical Performance Parameters | STC

Model Type	415C(HBD) 54(182)	420C(HBD) 54(182)	425C(HBD) 54(182)	430C(HBD) 54(182)
Nominal Max. Power P_{max} (W)	415	420	425	430
Max. Power Voltage V_{mp} (V)	31.18	31.42	31.65	31.88
Max. Power Current I_{mp} (A)	13.31	13.37	13.43	13.49
Open Circuit Voltage V_{oc} (V)	36.77	36.97	37.17	37.37
Short Circuit Current I_{sc} (A)	14.55	14.61	14.67	14.73
Module Efficiency (%)	21.25	21.51	21.76	22.02
Power Output Tolerance (W)	0~+5W			

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

Electrical Performance Parameters | NMOT

Model Type	415C(HBD) 54(182)	420C(HBD) 54(182)	425C(HBD) 54(182)	430C(HBD) 54(182)
Nominal Max. Power P_{max} (W)	311	315	319	323
Max. Power Voltage V_{mp} (V)	29.41	29.61	29.82	30.02
Max. Power Current I_{mp} (A)	10.58	10.64	10.70	10.76
Open Circuit Voltage V_{oc} (V)	34.30	34.49	34.68	34.87
Short Circuit Current I_{sc} (A)	11.80	11.85	11.90	11.95

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

Structure Performance

Solar Cell Type	182mm N-TOPCon Mono Cell (Half Cell)
Solar Cell Arrangement	108pcs(6×18)
Module Dimension	1722×1134×35mm/30mm
Weight	24.1kg(35mm)/23.4kg(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(+), landscape 1400mm(+) 200mm(-), 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)	806pcs(35mm)/936pcs(30mm)

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

12 years product workmanship warranty

30 years linear power output warranty

1st year power degradation no more than **1%**

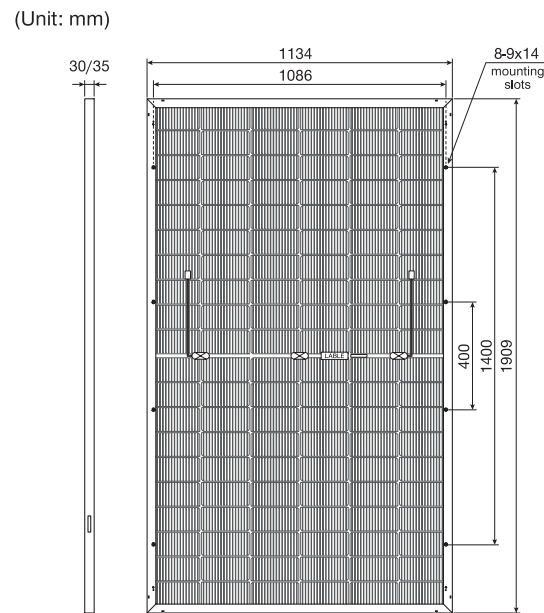
Subsequent annual power degradation no more than **0.40%**

182 N-TOPCon Bifacial Module

Power Range
465W ~ 480W

Power Output Tolerance
0W ~ +5W

Maximum Efficiency
22.17%



Electrical Performance Parameters STC					
Model Type		465C(HBD) 60(182)	470C(HBD) 60(182)	475C(HBD) 60(182)	480C(HBD) 60(182)
Nominal Max. Power	P_{max} (W)	465	470	475	480
Max. Power Voltage	V_{mp} (V)	34.84	35.05	35.27	35.48
Max. Power Current	I_{mp} (A)	13.35	13.41	13.47	13.53
Open Circuit Voltage	V_{oc} (V)	41.47	41.67	41.87	42.07
Short Circuit Current	I_{sc} (A)	14.43	14.49	14.55	14.61
Module Efficiency	(%)	21.48	21.71	21.94	22.17
Power Output Tolerance	(W)	0~+5W			

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

Electrical Performance Parameters NMOT					
Model Type		465C(HBD) 60(182)	470C(HBD) 60(182)	475C(HBD) 60(182)	480C(HBD) 60(182)
Nominal Max. Power	P_{max} (W)	349	353	357	361
Max. Power Voltage	V_{mp} (V)	32.87	33.06	33.25	33.43
Max. Power Current	I_{mp} (A)	10.62	10.68	10.74	10.80
Open Circuit Voltage	V_{oc} (V)	38.96	39.15	39.34	39.53
Short Circuit Current	I_{sc} (A)	11.74	11.79	11.84	11.89

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

Structure Performance	
Solar Cell Type	182mm N-TOPCon Mono Cell (Half Cell)
Solar Cell Arrangement	120pcs(6×20)
Module Dimension	1909×1134×35mm/30mm
Weight	26.9kg(35mm)/25.7kg(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(+)} / _{230mm(-)} , 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)	744pcs(35mm)/864pcs(30mm)

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%

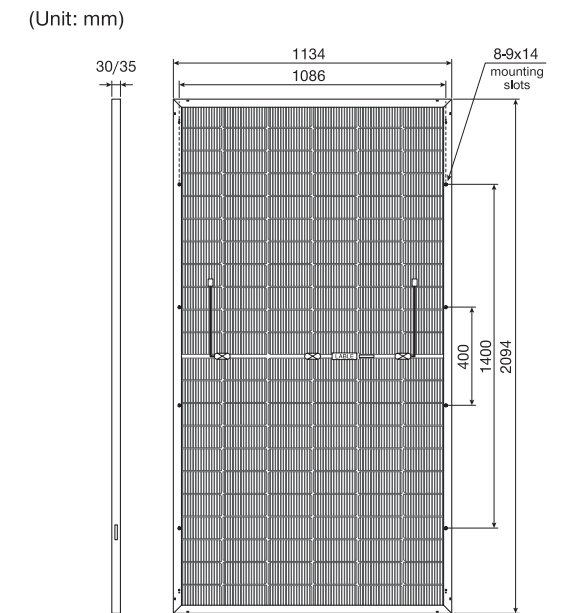
Maximum Parameters	
Working Temperature	-40~+85°C
Maximum System Voltage	1500V DC
Nominal Maximum Fuse Current	30A

182 N-TOPCon Bifacial Module

Power Range
515W ~ 530W

Power Output Tolerance
0W ~ +5W

Maximum Efficiency
22.32%



Electrical Performance Parameters STC					
Model Type		515C(HBD) 66(182)	520C(HBD) 66(182)	525C(HBD) 66(182)	530C(HBD) 66(182)
Nominal Max. Power	P_{max} (W)	515	520	525	530
Max. Power Voltage	V_{mp} (V)	38.50	38.70	38.89	39.09
Max. Power Current	I_{mp} (A)	13.38	13.44	13.50	13.56
Open Circuit Voltage	V_{oc} (V)	46.17	46.37	46.57	46.77
Short Circuit Current	I_{sc} (A)	14.31	14.37	14.43	14.49
Module Efficiency	(%)	21.69	21.90	22.11	22.32
Power Output Tolerance	(W)	0~+5W			

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

Electrical Performance Parameters NMOT					
Model Type		515C(HBD) 66(182)	520C(HBD) 66(182)	525C(HBD) 66(182)	530C(HBD) 66(182)
Nominal Max. Power	P_{max} (W)	386	390	394	398
Max. Power Voltage	V_{mp} (V)	36.22	36.39	36.55	36.72
Max. Power Current	I_{mp} (A)	10.66	10.72	10.78	10.84
Open Circuit Voltage	V_{oc} (V)	43.62	43.81	44.00	44.19
Short Circuit Current	I_{sc} (A)	11.58	11.63	11.68	11.73

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

Structure Performance	
Solar Cell Type	182mm N-TOPCon Mono Cell (Half Cell)
Solar Cell Arrangement	132pcs(6×22)
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(+)} / _{230mm(-)} , 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)

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

12 years product workmanship warranty

30 years linear power output warranty

1st year power degradation no more than **1%**

Subsequent annual power degradation no more than **0.40%**

12 years product workmanship warranty

30 years linear power output warranty

1st year power degradation no more than **1%**

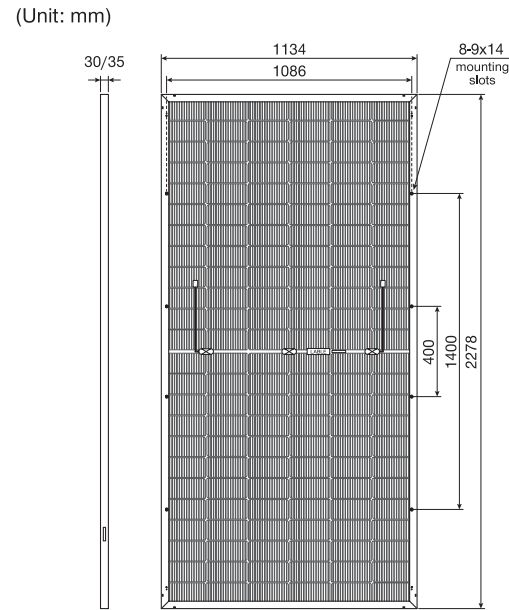
Subsequent annual power degradation no more than **0.40%**

182 N-TOPCon Bifacial Module

Power Range
570W ~ 595W

Power Output Tolerance
0W ~ +5W

Maximum Efficiency
23.03%



Electrical Performance Parameters | STC

Model Type	570C(HBD) 72(182)	575C(HBD) 72(182)	580C(HBD) 72(182)	585C(HBD) 72(182)	590C(HBD) 72(182)	595C(HBD) 72(182)	
Nominal Max. Power	P_{max} (W)	570	575	580	585	590	595
Max. Power Voltage	V_{mp} (V)	42.45	42.60	42.75	42.89	43.04	43.18
Max. Power Current	I_{mp} (A)	13.43	13.50	13.57	13.64	13.71	13.78
Open Circuit Voltage	V_{oc} (V)	51.03	51.23	51.43	51.63	51.83	52.03
Short Circuit Current	I_{sc} (A)	14.21	14.27	14.33	14.39	14.45	14.51
Module Efficiency	(%)	22.07	22.26	22.45	22.65	22.84	23.03
Power Output Tolerance	(W)	0~+5W					

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

Electrical Performance Parameters | NMOT

Model Type	570C(HBD) 72(182)	575C(HBD) 72(182)	580C(HBD) 72(182)	585C(HBD) 72(182)	590C(HBD) 72(182)	595C(HBD) 72(182)	
Nominal Max. Power	P_{max} (W)	429	433	437	441	445	449
Max. Power Voltage	V_{mp} (V)	39.87	40.02	40.17	40.32	40.46	40.60
Max. Power Current	I_{mp} (A)	10.76	10.82	10.88	10.94	11.00	11.06
Open Circuit Voltage	V_{oc} (V)	48.47	48.66	48.85	49.04	49.23	49.42
Short Circuit Current	I_{sc} (A)	11.46	11.51	11.56	11.61	11.66	11.71

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

Structure Performance

Solar Cell Type	183.75R N-TOPCon Mono Cell (Half Cell)
Solar Cell Arrangement	144pcs(6×24)
Module Dimension	2278×1134×35mm/30mm
Weight	32.3kg(35mm)/31.4kg(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(+), 230mm(-), 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)

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

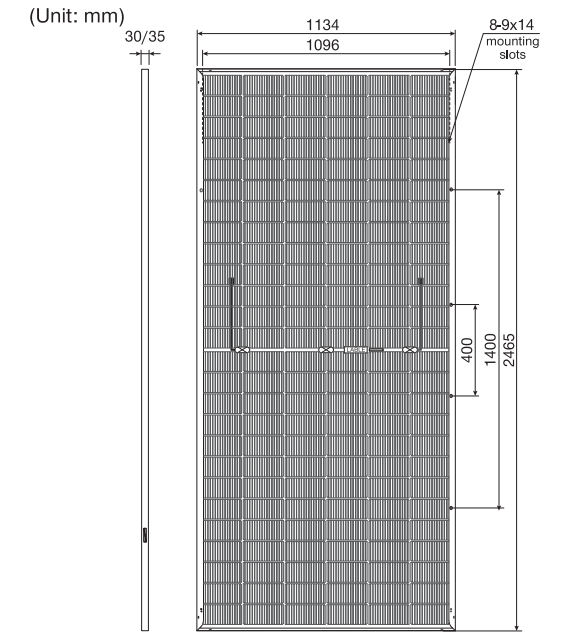
Working Temperature	-40~+85°C
Maximum System Voltage	1500V DC
Nominal Maximum Fuse Current	30A

182 N-TOPCon Bifacial Module

Power Range
625W ~ 645W

Power Output Tolerance
0W ~ +5W

Maximum Efficiency
23.07%



Electrical Performance Parameters | STC

Model Type	625C(HBD) 78(182)	630C(HBD) 78(182)	635C(HBD) 78(182)	640C(HBD) 78(182)	645C(HBD) 78(182)	
Nominal Max. Power	P_{max} (W)	625	630	635	640	645
Max. Power Voltage	V_{mp} (V)	46.24	46.37	46.50	46.63	46.76
Max. Power Current	I_{mp} (A)	13.52	13.59	13.66	13.73	13.80
Open Circuit Voltage	V_{oc} (V)	55.11	55.26	55.41	55.56	55.71
Short Circuit Current	I_{sc} (A)	14.34	14.42	14.50	14.58	14.66
Module Efficiency	(%)	22.36	22.54	22.72	22.90	23.07
Power Output Tolerance	(W)	0~+5W				

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

Electrical Performance Parameters | NMOT

Model Type	625C(HBD) 78(182)	630C(HBD) 78(182)	635C(HBD) 78(182)	640C(HBD) 78(182)	645C(HBD) 78(182)	
Nominal Max. Power	P_{max} (W)	470	474	478	482	486
Max. Power Voltage	V_{mp} (V)	43.47	43.60	43.73	43.86	43.99
Max. Power Current	I_{mp} (A)	10.83	10.88	10.94	11.00	11.05
Open Circuit Voltage	V_{oc} (V)	52.35	52.49	52.63	52.77	52.92
Short Circuit Current	I_{sc} (A)	11.57	11.63	11.70	11.76	11.83

* NMOT: Irradiance 800W/m², Ambient Temperature 20°C, Air Mass AM1.5, Wind Speed 1m/s.

Structure Performance

Solar Cell Type	182mm N-TOPCon Mono Cell (Half Cell)
Solar Cell Arrangement	156pcs(6×26)
Module Dimension	2465×1134×35mm/30mm
Weight	34.6kg(35mm)/33.5kg(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(+), 230mm(-), 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)	496pcs(35mm)/576pcs(30mm)

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

12 years product workmanship warranty

30 years linear power output warranty

1st year power degradation no more than **1%**

Subsequent annual power degradation no more than **0.40%**

12 years product workmanship warranty

30 years linear power output warranty

1st year power degradation no more than **1%**

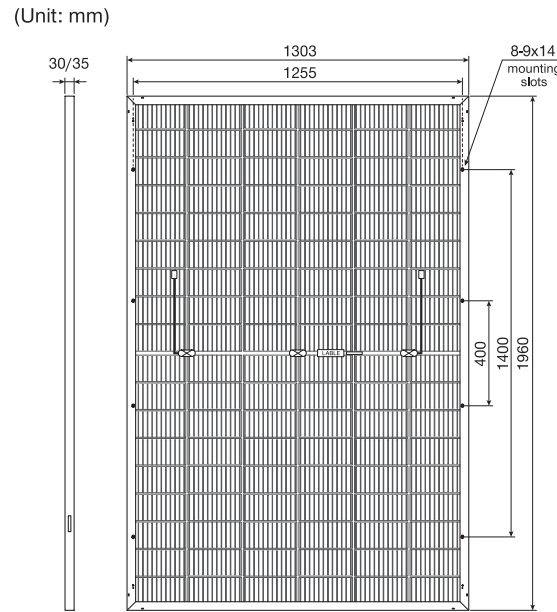
Subsequent annual power degradation no more than **0.40%**

210 N-TOPCon Bifacial Module

Power Range
560W ~ 590W

Power Output Tolerance
0W ~ +5W

Maximum Efficiency
23.10%



Electrical Performance Parameters | STC

Model Type	560C(HBD) 54(210)	565C(HBD) 54(210)	570C(HBD) 54(210)	575C(HBD) 54(210)	580C(HBD) 54(210)	585C(HBD) 54(210)	590C(HBD) 54(210)	
Nominal Max. Power	P_{max} (W)	560	565	570	575	580	585	590
Max. Power Voltage	V_{mp} (V)	32.36	32.55	32.75	32.94	33.14	33.32	33.51
Max. Power Current	I_{mp} (A)	17.31	17.36	17.41	17.46	17.51	17.56	17.61
Open Circuit Voltage	V_{oc} (V)	39.55	39.74	39.93	40.12	40.31	40.50	40.69
Short Circuit Current	I_{sc} (A)	18.11	18.15	18.19	18.23	18.27	18.31	18.35
Module Efficiency	(%)	21.93	22.12	22.32	22.51	22.71	22.91	23.10
Power Output Tolerance	(W)	0~+5W						

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

Electrical Performance Parameters | NMOT

Model Type	560C(HBD) 54(210)	565C(HBD) 54(210)	570C(HBD) 54(210)	575C(HBD) 54(210)	580C(HBD) 54(210)	585C(HBD) 54(210)	590C(HBD) 54(210)	
Nominal Max. Power	P_{max} (W)	430	434	438	442	446	450	454
Max. Power Voltage	V_{mp} (V)	30.55	30.74	30.94	31.13	31.33	31.52	31.71
Max. Power Current	I_{mp} (A)	14.08	14.12	14.16	14.20	14.24	14.28	14.32
Open Circuit Voltage	V_{oc} (V)	35.38	35.56	35.75	35.93	36.12	36.30	36.49
Short Circuit Current	I_{sc} (A)	11.78	11.81	11.84	11.87	11.91	11.94	11.97

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

Structure Performance

Solar Cell Type	210mm N-TOPCon Mono Cell (Half Cell)
Solar Cell Arrangement	108pcs(6×18)
Module Dimension	1960×1303×35mm/30mm
Weight	32.8kg(35mm)/31.7kg(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)

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

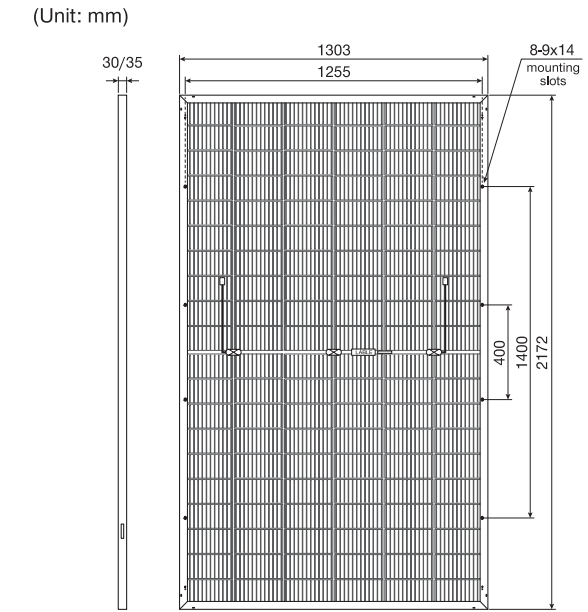
Working Temperature	-40~+85°C
Maximum System Voltage	1500V DC
Nominal Maximum Fuse Current	35A

210 N-TOPCon Bifacial Module

Power Range
620W ~ 650W

Power Output Tolerance
0W ~ +5W

Maximum Efficiency
22.97%



Electrical Performance Parameters | STC

Model Type	620C(HBD) 60(210)	625C(HBD) 60(210)	630C(HBD) 60(210)	635C(HBD) 60(210)	640C(HBD) 60(210)	645C(HBD) 60(210)	650C(HBD) 60(210)	
Nominal Max. Power	P_{max} (W)	620	625	630	635	640	645	650
Max. Power Voltage	V_{mp} (V)	35.70	35.91	36.11	36.33	36.54	36.74	36.94
Max. Power Current	I_{mp} (A)	17.37	17.41	17.45	17.48	17.52	17.56	17.60
Open Circuit Voltage	V_{oc} (V)	43.53	43.74	43.95	44.16	44.37	44.58	44.79
Short Circuit Current	I_{sc} (A)	18.18	18.22	18.26	18.30	18.34	18.38	18.42
Module Efficiency	(%)	21.91	22.08	22.26	22.44	22.61	22.79	22.97
Power Output Tolerance	(W)	0~+5W						

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

Electrical Performance Parameters | NMOT

Model Type	620C(HBD) 60(210)	625C(HBD) 60(210)	630C(HBD) 60(210)	635C(HBD) 60(210)	640C(HBD) 60(210)	645C(HBD) 60(210)	650C(HBD) 60(210)	
Nominal Max. Power	P_{max} (W)	474	478	482	486	490	494	498
Max. Power Voltage	V_{mp} (V)	33.62	33.83	34.04	34.25	34.46	34.67	34.88
Max. Power Current	I_{mp} (A)	14.10	14.13	14.16	14.19	14.22	14.25	14.28
Open Circuit Voltage	V_{oc} (V)	41.15	41.36	41.58	41.79	42.01	42.22	42.44
Short Circuit Current	I_{sc} (A)	14.65	14.69	14.73	14.77	14.81	14.85	14.89

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

Structure Performance

Solar Cell Type	210mm N-TOPCon Mono Cell (Half Cell)
Solar Cell Arrangement	120pcs(6×20)
Module Dimension	2172×1303×35mm/30mm
Weight	35.6kg(35mm)/34.5kg(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)

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	35A

12 years product workmanship warranty

30 years linear power output warranty

1st year power degradation no more than **1%**

Subsequent annual power degradation no more than **0.40%**

12 years product workmanship warranty

30 years linear power output warranty

1st year power degradation no more than **1%**

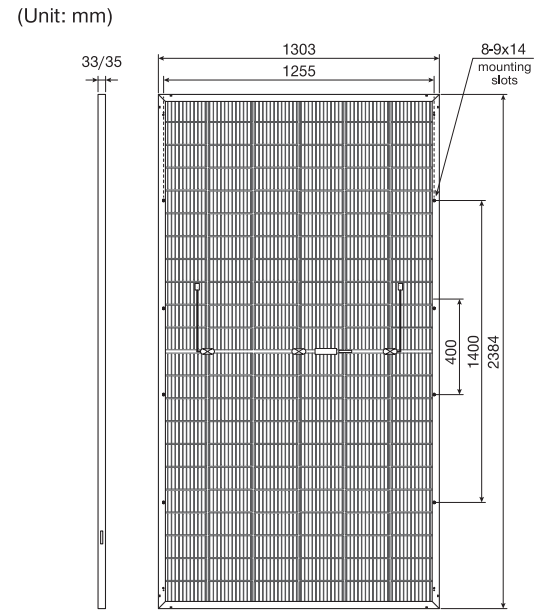
Subsequent annual power degradation no more than **0.40%**

210 N-TOPCon Bifacial Module

Power Range
685W ~ 720W

Power Output Tolerance
0W ~ +5W

Maximum Efficiency
23.18%



Electrical Performance Parameters | STC

Model Type	685C(HBD) 66(210)	690C(HBD) 66(210)	695C(HBD) 66(210)	700C(HBD) 66(210)	705C(HBD) 66(210)	710C(HBD) 66(210)	715C(HBD) 66(210)	720C(HBD) 66(210)	
Nominal Max. Power	P_{max} (W)	685	690	695	700	705	710	715	720
Max. Power Voltage	V_{MP} (V)	39.42	39.64	39.86	40.07	40.29	40.51	40.72	40.94
Max. Power Current	I_{MP} (A)	17.38	17.41	17.44	17.47	17.50	17.53	17.56	17.59
Open Circuit Voltage	V_{OC} (V)	47.97	48.18	48.39	48.60	48.82	49.03	49.24	49.45
Short Circuit Current	I_{SC} (A)	18.25	18.29	18.33	18.37	18.41	18.45	18.49	18.53
Module Efficiency	(%)	22.05	22.21	22.37	22.53	22.70	22.86	23.02	23.18
Power Output Tolerance	(W)	0~+5W							

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

Electrical Performance Parameters | NMOT

Model Type	685C(HBD) 66(210)	690C(HBD) 66(210)	695C(HBD) 66(210)	700C(HBD) 66(210)	705C(HBD) 66(210)	710C(HBD) 66(210)	715C(HBD) 66(210)	720C(HBD) 66(210)	
Nominal Max. Power	P_{max} (W)	523	527	531	535	539	543	547	551
Max. Power Voltage	V_{MP} (V)	37.05	37.25	37.45	37.66	37.86	38.06	38.26	38.46
Max. Power Current	I_{MP} (A)	14.12	14.15	14.18	14.21	14.24	14.27	14.30	14.33
Open Circuit Voltage	V_{OC} (V)	45.44	45.65	45.86	46.07	46.28	46.50	46.71	46.92
Short Circuit Current	I_{SC} (A)	14.69	14.73	14.77	14.81	14.85	14.89	14.93	14.97

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

Structure Performance

Solar Cell Type	210mm N-TOPCon Mono Cell (Half Cell)
Solar Cell Arrangement	132pcs(6x22)
Module Dimension	2384×1303×35mm/33mm
Weight	38.2kg(35mm)/37.8kg(33mm)
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)/594pcs(33mm)

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

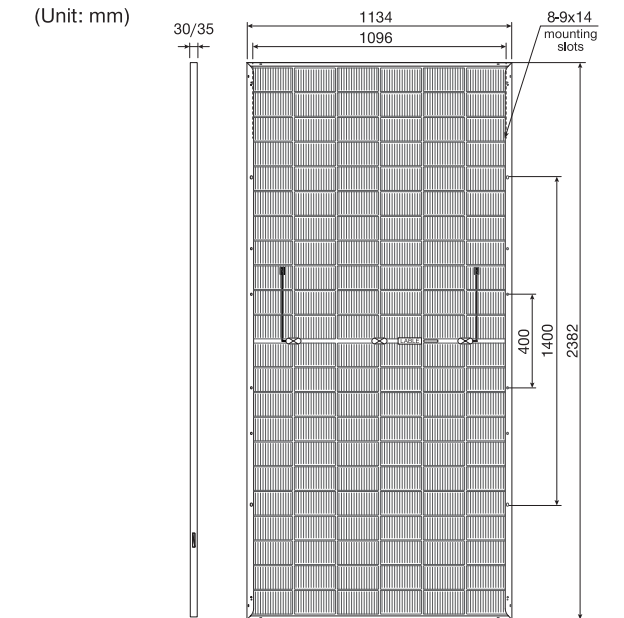
Working Temperature	-40~+85°C
Maximum System Voltage	1500V DC
Nominal Maximum Fuse Current	35A

210R N-TopCon Bifacial Module

Power Range
590W ~ 625W

Power Output Tolerance
0W ~ +5W

Maximum Efficiency
23.14%



Electrical Performance Parameters | STC

Model Type	590C(HBD) 66(210R)	595C(HBD) 66(210R)	600C(HBD) 66(210R)	605C(HBD) 66(210R)	610C(HBD) 66(210R)	615C(HBD) 66(210R)	620C(HBD) 66(210R)	625C(HBD) 66(210R)	
Nominal Max. Power	P_{max} (W)	590	595	600	605	610	615	620	625
Max. Power Voltage	V_{MP} (V)	40.14	40.26	40.38	40.51	40.64	40.76	40.88	40.99
Max. Power Current	I_{MP} (A)	14.70	14.78	14.86	14.94	15.01	15.09	15.17	15.25
Open Circuit Voltage	V_{OC} (V)	48.15	48.29	48.42	48.55	48.69	48.82	48.95	49.08
Short Circuit Current	I_{SC} (A)	15.54	15.63	15.71	15.80	15.89	15.98	16.06	16.15
Module Efficiency	(%)	21.84	22.03	22.21	22.40	22.58	22.77	22.95	23.14
Power Output Tolerance	(W)	0~+5W							

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

Electrical Performance Parameters | NMOT

Model Type	590C(HBD) 66(210R)	595C(HBD) 66(210R)	600C(HBD) 66(210R)	605C(HBD) 66(210R)	610C(HBD) 66(210R)	615C(HBD) 66(210R)	620C(HBD) 66(210R)	625C(HBD) 66(210R)	
Nominal Max. Power	P_{max} (W)	444	448	452	456	460	464	468	472
Max. Power Voltage	V_{MP} (V)	37.47	37.62	37.77	37.94	38.10	38.26	38.43	38.59
Max. Power Current	I_{MP} (A)	11.85	11.91	11.97	12.02	12.08	12.13	12.18	12.24
Open Circuit Voltage	V_{OC} (V)	45.69	45.82	45.95	46.07	46.20	46.33	46.46	46.59
Short Circuit Current	I_{SC} (A)	12.54	12.60	12.68	12.75	12.82	12.89	12.96	13.03

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

Structure Performance

Solar Cell Type	210R N-TopCon Mono Cell (Half Cell)
Solar Cell Arrangement	132pcs(6x22)
Module Dimension	2382×1134×35mm/30mm
Weight	35.2kg(35mm)/33.4kg(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)	558pcs(35mm)/648pcs(30mm)

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	35A

12 years product workmanship warranty

30 years linear power output warranty

1st year power degradation no more than **1%**

Subsequent annual power degradation no more than **0.40%**

12 years product workmanship warranty

30 years linear power output warranty

1st year power degradation no more than **1%**

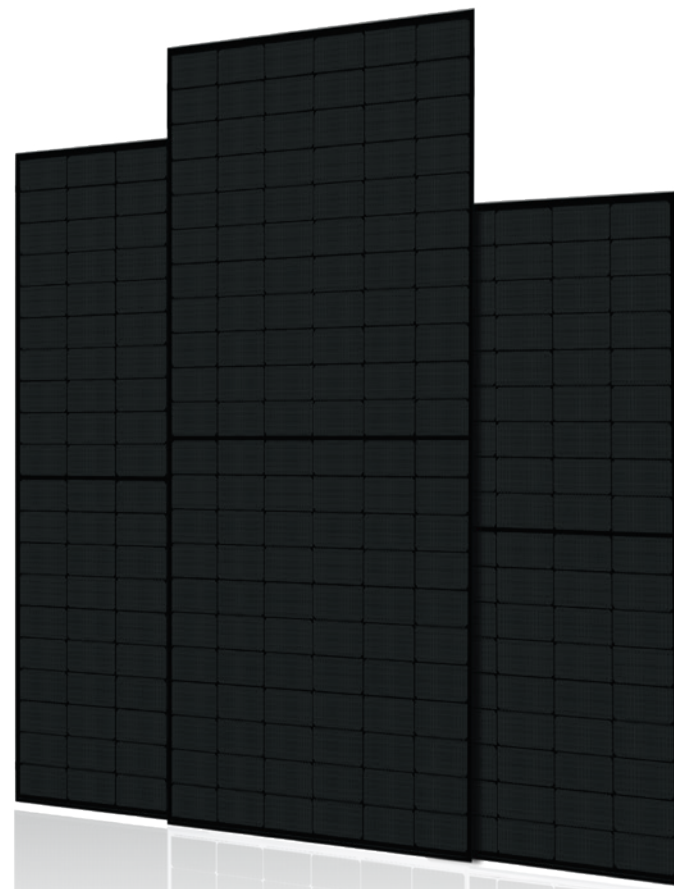
Subsequent annual power degradation no more than **0.40%**

Pure Black series

Aesthetic Design, Darker, Purer, Seamless Integration

Features and Benefits

- N-TOPCon brings 10-30% additional power generation comparing with conventional P-type module.
- Highly-resistant Black Crystal Material, perfectly integrates into environments to bring premium technology and modernity to buildings.
- Higher power output even under low-light environments like on cloudy or foggy days.
- N-TOPCon solar cell has no LID naturally which can increase power generation.
- Higher power generation under working conditions, thanks to passivating contact cell technology.
- Higher bifaciality, higher power output and lower BOS cost.
- More application scenes like BIPV, vertical installation, snowfield, high-humid, windy and dusty area.



182 Pure Black N-TOPCon Monofacial Module



Power Range
415W ~ 430W

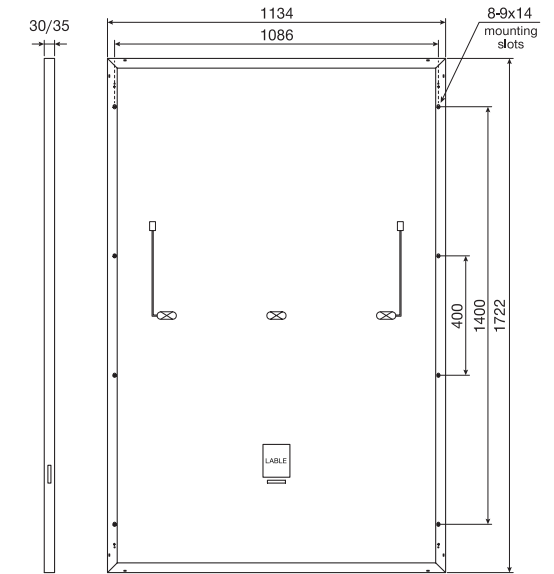


Power Output Tolerance
0W ~ +5W



Maximum Efficiency
22.02%

(Unit: mm)



Electrical Performance Parameters | STC

Model Type	415C(BPM) 54(182)	420C(BPM) 54(182)	425C(BPM) 54(182)	430C(BPM) 54(182)	
Nominal Max. Power	P_{max} (W)	415	420	425	430
Max. Power Voltage	V_{mp} (V)	31.64	31.82	32.01	32.20
Max. Power Current	I_{mp} (A)	13.12	13.20	13.28	13.36
Open Circuit Voltage	V_{oc} (V)	38.20	38.39	38.58	38.77
Short Circuit Current	I_{sc} (A)	13.89	13.97	14.05	14.13
Module Efficiency	(%)	21.25	21.51	21.76	22.02
Power Output Tolerance	(W)	0~+5W			

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

Electrical Performance Parameters | NMOT

Model Type	415C(BPM) 54(182)	420C(BPM) 54(182)	425C(BPM) 54(182)	430C(BPM) 54(182)	
Nominal Max. Power	P_{max} (W)	312	316	320	323
Max. Power Voltage	V_{mp} (V)	29.52	29.68	29.86	29.91
Max. Power Current	I_{mp} (A)	10.57	10.65	10.72	10.80
Open Circuit Voltage	V_{oc} (V)	36.29	36.47	36.68	36.79
Short Circuit Current	I_{sc} (A)	11.21	11.28	11.35	11.42

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

Structure Performance

Solar Cell Type	182mm N-TOPCon Mono Cell (Half Cell)
Solar Cell Arrangement	108pcs(6×18)
Module Dimension	1722×1134×35mm/30mm
Weight	21.7kg(35mm)/20.6kg(30mm)
Front Glass	3.2mm, highly transparent tempered glass with anti-reflective coating
Back Sheet	Black
Frame	Anodized Aluminum Alloy (Black)
Junction Box	IP68 rated
Cable	4mm ² , portrait 400mm(+), landscape 1400mm(+) 200mm(+), landscape 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)	806pcs(35mm)/936pcs(30mm)

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	25A

12 years product workmanship warranty

30 years linear power output warranty

1st year power degradation no more than **1%**

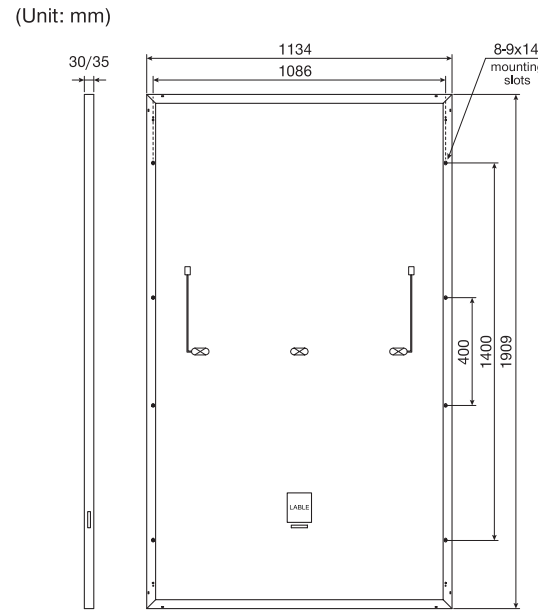
Subsequent annual power degradation no more than **0.40%**

182 Pure Black N-TOPCon Monofacial Module

Power Range
465W ~ 480W

Power Output Tolerance
0W ~ +5W

Maximum Efficiency
22.17%



Electrical Performance Parameters | STC

Model Type	465C(BPM) 60(182)	470C(BPM) 60(182)	475C(BPM) 60(182)	480C(BPM) 60(182)	
Nominal Max. Power	P_{max} (W)	465	470	475	480
Max. Power Voltage	V_{mp} (V)	34.81	34.98	35.14	35.30
Max. Power Current	I_{mp} (A)	13.36	13.44	13.52	13.60
Open Circuit Voltage	V_{oc} (V)	41.93	42.09	42.25	42.42
Short Circuit Current	I_{sc} (A)	14.11	14.19	14.28	14.36
Module Efficiency	(%)	21.48	21.71	21.94	22.17
Power Output Tolerance	(W)	0~+5W			

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

Electrical Performance Parameters | NMOT

Model Type	465C(BPM) 60(182)	470C(BPM) 60(182)	475C(BPM) 60(182)	480C(BPM) 60(182)	
Nominal Max. Power	P_{max} (W)	350	354	358	362
Max. Power Voltage	V_{mp} (V)	32.78	32.97	33.15	33.34
Max. Power Current	I_{mp} (A)	10.68	10.74	10.80	10.86
Open Circuit Voltage	V_{oc} (V)	39.89	40.05	40.21	40.37
Short Circuit Current	I_{sc} (A)	11.42	11.49	11.56	11.63

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

Structure Performance

Solar Cell Type	182mm N-TOPCon Mono Cell (Half Cell)
Solar Cell Arrangement	120pcs(6×20)
Module Dimension	1909×1134×35mm/30mm
Weight	23.2kg(35mm)/22.1kg(30mm)
Front Glass	3.2mm, highly transparent tempered glass with anti-reflective coating
Back Sheet	Black
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)	744pcs(35mm)/864pcs(30mm)

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

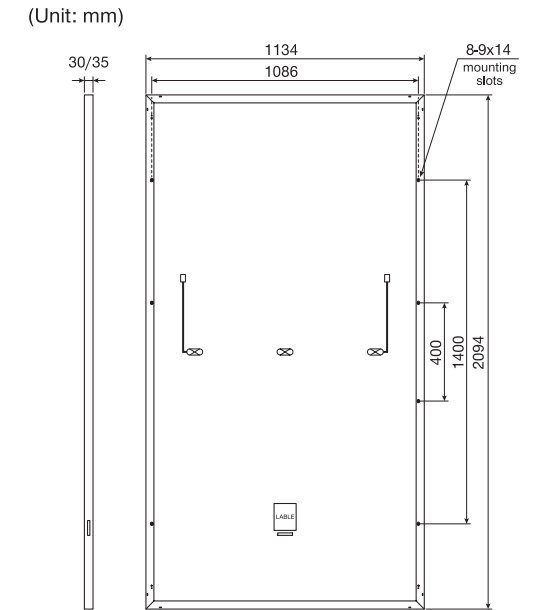
Working Temperature	-40~+85°C
Maximum System Voltage	1500V DC
Nominal Maximum Fuse Current	25A

182 Pure Black N-TOPCon Monofacial Module

Power Range
515W ~ 530W

Power Output Tolerance
0W ~ +5W

Maximum Efficiency
22.32%



Electrical Performance Parameters | STC

Model Type	515C(BPM) 66(182)	520C(BPM) 66(182)	525C(BPM) 66(182)	530C(BPM) 66(182)	
Nominal Max. Power	P_{max} (W)	515	520	525	530
Max. Power Voltage	V_{mp} (V)	38.32	38.47	38.61	38.75
Max. Power Current	I_{mp} (A)	13.44	13.52	13.60	13.68
Open Circuit Voltage	V_{oc} (V)	45.93	45.98	46.03	46.08
Short Circuit Current	I_{sc} (A)	14.17	14.26	14.34	14.42
Module Efficiency	(%)	21.69	21.90	22.11	22.32
Power Output Tolerance	(W)	0~+5W			

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

Electrical Performance Parameters | NMOT

Model Type	515C(BPM) 66(182)	520C(BPM) 66(182)	525C(BPM) 66(182)	530C(BPM) 66(182)	
Nominal Max. Power	P_{max} (W)	387	391	395	399
Max. Power Voltage	V_{mp} (V)	36.21	36.38	36.55	36.71
Max. Power Current	I_{mp} (A)	10.69	10.75	10.81	10.87
Open Circuit Voltage	V_{oc} (V)	43.61	43.75	43.89	44.03
Short Circuit Current	I_{sc} (A)	11.49	11.56	11.63	11.70

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

Structure Performance

Solar Cell Type	182mm N-TOPCon Mono Cell (Half Cell)
Solar Cell Arrangement	132pcs(6×22)
Module Dimension	2094×1134×35mm/30mm
Weight	25.1kg(35mm)/23.8kg(30mm)
Front Glass	3.2mm, highly transparent tempered glass with anti-reflective coating
Back Sheet	Black
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)	682pcs(35mm)/792pcs(30mm)

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	25A

12 years product workmanship warranty

30 years linear power output warranty

1st year power degradation no more than **1%**

Subsequent annual power degradation no more than **0.40%**

12 years product workmanship warranty

30 years linear power output warranty

1st year power degradation no more than **1%**

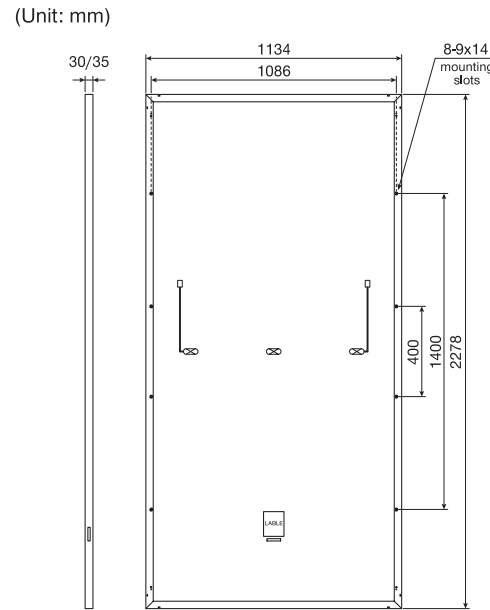
Subsequent annual power degradation no more than **0.40%**

182 Pure Black N-TOPCon Monofacial Module

Power Range
560W ~ 580W

Power Output Tolerance
0W ~ +5W

Maximum Efficiency
22.45%



Electrical Performance Parameters | STC

Model Type	560C(BPM) 72(182)	565C(BPM) 72(182)	570C(BPM) 72(182)	575C(BPM) 72(182)	580C(BPM) 72(182)	
Nominal Max. Power	P_{max} (W)	560	565	570	575	580
Max. Power Voltage	V_{mp} (V)	42.17	42.33	42.48	42.63	42.78
Max. Power Current	I_{mp} (A)	13.28	13.35	13.42	13.49	13.56
Open Circuit Voltage	V_{oc} (V)	50.82	50.86	51.00	51.15	51.29
Short Circuit Current	I_{sc} (A)	14.03	14.11	14.18	14.26	14.34
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%.

Electrical Performance Parameters | NMOT

Model Type	560C(BPM) 72(182)	565C(BPM) 72(182)	570C(BPM) 72(182)	575C(BPM) 72(182)	580C(BPM) 72(182)	
Nominal Max. Power	P_{max} (W)	421	425	429	433	437
Max. Power Voltage	V_{mp} (V)	39.65	39.80	39.95	40.10	40.24
Max. Power Current	I_{mp} (A)	10.62	10.68	10.74	10.80	10.86
Open Circuit Voltage	V_{oc} (V)	48.17	48.31	48.45	48.58	48.71
Short Circuit Current	I_{sc} (A)	11.32	11.38	11.44	11.51	11.57

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

Structure Performance

Solar Cell Type	182mm N-TOPCon Mono Cell (Half Cell)
Solar Cell Arrangement	144pcs(6×24)
Module Dimension	2278×1134×35mm/30mm
Weight	28.0kg(35mm)/26.3kg(30mm)
Front Glass	3.2mm, highly transparent tempered glass with anti-reflective coating
Back Sheet	Black
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)

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

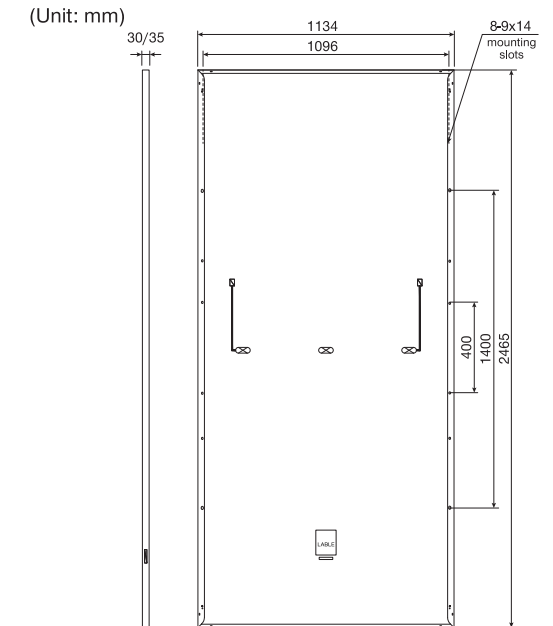
Working Temperature	-40~+85°C
Maximum System Voltage	1500V DC
Nominal Maximum Fuse Current	25A

182 Pure Black N-TOPCon Monofacial Module

Power Range
605W ~ 635W

Power Output Tolerance
0W ~ +5W

Maximum Efficiency
22.72%



Electrical Performance Parameters | STC

Model Type	605C(BPM) 78(182)	610C(BPM) 78(182)	615C(BPM) 78(182)	620C(BPM) 78(182)	625C(BPM) 78(182)	630C(BPM) 78(182)	635C(BPM) 78(182)	
Nominal Max. Power	P_{max} (W)	605	610	615	620	625	630	635
Max. Power Voltage	V_{mp} (V)	45.75	45.88	46.01	46.14	46.27	46.40	46.53
Max. Power Current	I_{mp} (A)	13.23	13.30	13.37	13.44	13.51	13.58	13.65
Open Circuit Voltage	V_{oc} (V)	54.43	54.58	54.73	54.88	55.03	55.18	55.33
Short Circuit Current	I_{sc} (A)	14.01	14.09	14.17	14.25	14.33	14.41	14.49
Module Efficiency	(%)	21.64	21.82	22.00	22.18	22.36	22.54	22.72
Power Output Tolerance	(W)	0~+5W						

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

Electrical Performance Parameters | NMOT

Model Type	605C(BPM) 78(182)	610C(BPM) 78(182)	615C(BPM) 78(182)	620C(BPM) 78(182)	625C(BPM) 78(182)	630C(BPM) 78(182)	635C(BPM) 78(182)	
Nominal Max. Power	P_{max} (W)	454	458	462	466	470	474	478
Max. Power Voltage	V_{mp} (V)	43.04	43.17	43.30	43.43	43.56	43.69	43.82
Max. Power Current	I_{mp} (A)	10.55	10.61	10.67	10.73	10.79	10.85	10.91
Open Circuit Voltage	V_{oc} (V)	51.75	51.89	52.03	52.17	52.31	52.45	52.59
Short Circuit Current	I_{sc} (A)	11.29	11.35	11.42	11.48	11.55	11.61	11.68

* NMOT: Irradiance 800W/m², Ambient Temperature 20°C, Air Mass AM1.5, Wind Speed 1m/s.

Structure Performance

Solar Cell Type	182mm N-TOPCon Mono Cell (Half Cell)
Solar Cell Arrangement	156pcs(6×26)
Module Dimension	2465×1134×35mm/30mm
Weight	30.5kg(35mm)/29.4kg(30mm)
Front Glass	3.2mm, highly transparent tempered glass with anti-reflective coating
Back Sheet	Black
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)	496pcs(35mm)/576pcs(30mm)

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	25A

12 years product workmanship warranty

30 years linear power output warranty

1st year power degradation no more than **1%**

Subsequent annual power degradation no more than **0.40%**

12 years product workmanship warranty

30 years linear power output warranty








1st year power degradation no more than **1%**

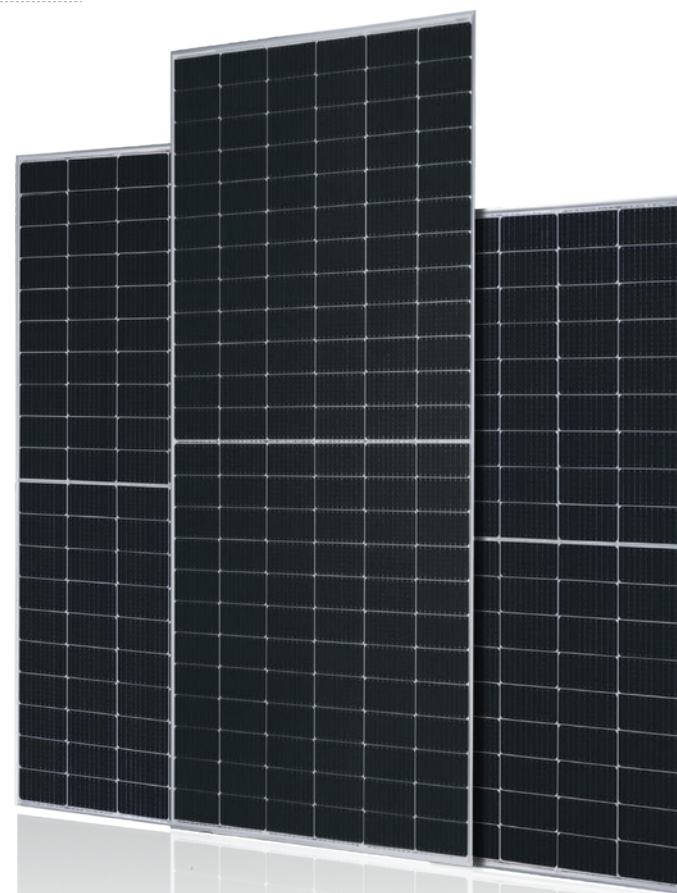
Subsequent annual power degradation no more than **0.40%**

P-type series

Hardcore Energy, Reliable Technology

Features and Benefits

-  The application of multi-busbar (MBB) half-cut cell technology brings stronger resistance to shade and lower risk of hot spot.
-  By series and parallel design, to reduce the series RS and achieve higher power output and lower BOS cost.
-  Strict control on raw materials and process optimization of high efficiency PERC ensure better resistance against PID of PV module.
-  Lower temperature coefficient and lower operating temperature can ensure higher power generation.
-  Through harsh weathering tests of sand, dust, salt mist, ammonia, etc., to get stronger weather resistance of outdoor environment.
-  Lower oxygen and carbon content result in lower LID.
-  Double sides power output to reach higher comprehensive efficiency and get more profit.



182 P-type Bifacial Module



Power Range

400W ~ 415W



Power Output Tolerance

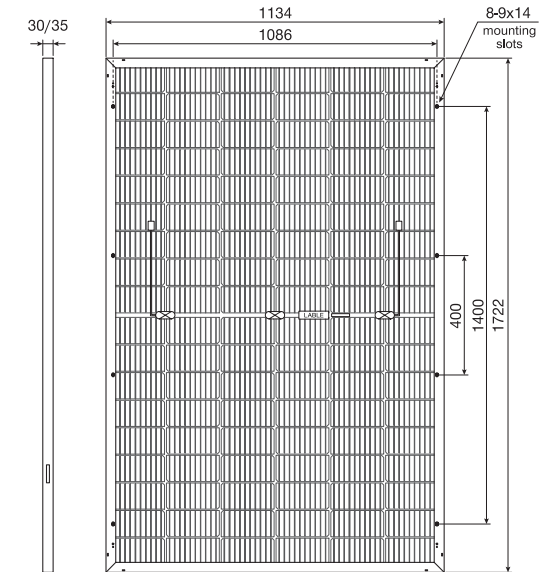
0W ~ +5W



Maximum Efficiency

21.25%

(Unit: mm)



Electrical Performance Parameters | STC

Model Type	400D(HBD) 54(182)	405D(HBD) 54(182)	410D(HBD) 54(182)	415D(HBD) 54(182)
Nominal Max. Power P_{max} (W)	400	405	410	415
Max. Power Voltage V_{mp} (V)	31.13	31.35	31.57	31.79
Max. Power Current I_{mp} (A)	12.85	12.92	12.99	13.06
Open Circuit Voltage V_{oc} (V)	36.96	37.08	37.20	37.34
Short Circuit Current I_{sc} (A)	13.74	13.81	13.88	13.95
Module Efficiency (%)	20.48	20.74	21.00	21.25
Power Output Tolerance (W)	0~+5W			

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

Electrical Performance Parameters | NMOT

Model Type	400D(HBD) 54(182)	405D(HBD) 54(182)	410D(HBD) 54(182)	415D(HBD) 54(182)
Nominal Max. Power P_{max} (W)	275	282	287	292
Max. Power Voltage V_{mp} (V)	26.55	27.12	27.50	27.87
Max. Power Current I_{mp} (A)	10.36	10.40	10.44	10.48
Open Circuit Voltage V_{oc} (V)	34.62	34.74	34.86	35.00
Short Circuit Current I_{sc} (A)	11.09	11.15	11.20	11.26

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

Structure Performance

Solar Cell Type	182mm Mono-crystalline (Half Cell)
Solar Cell Arrangement	108pcs(6×18)
Module Dimension	1722×1134×35mm/30mm
Weight	24.1kg(35mm)/23.4kg(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(+), landscape 1400mm(+) 230mm(-), landscape 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)	806pcs(35mm)/936pcs(30mm)

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	25A

12 years product workmanship warranty

30 years linear power output warranty

1st year power degradation no more than **2%**

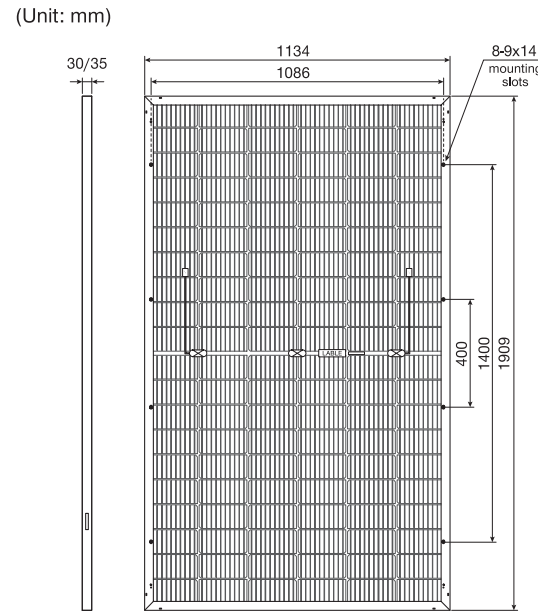
Subsequent annual power degradation no more than **0.45%**

182 P-type Bifacial Module

Power Range
445W ~ 460W

Power Output Tolerance
0W ~ +5W

Maximum Efficiency
21.25%



Electrical Performance Parameters STC					
Model Type		445D(HBD) 60(182)	450D(HBD) 60(182)	455D(HBD) 60(182)	460D(HBD) 60(182)
Nominal Max. Power	P_{max} (W)	445	450	455	460
Max. Power Voltage	V_{mp} (V)	34.58	34.78	34.98	35.18
Max. Power Current	I_{mp} (A)	12.87	12.94	13.01	13.08
Open Circuit Voltage	V_{oc} (V)	41.08	41.20	41.32	41.46
Short Circuit Current	I_{sc} (A)	13.76	13.83	13.90	13.97
Module Efficiency	(%)	20.56	20.79	21.02	21.25
Power Output Tolerance	(W)	0~+5W			

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

Electrical Performance Parameters NMOT					
Model Type		445D(HBD) 60(182)	450D(HBD) 60(182)	455D(HBD) 60(182)	460D(HBD) 60(182)
Nominal Max. Power	P_{max} (W)	317	322	327	332
Max. Power Voltage	V_{mp} (V)	30.54	30.91	31.27	31.62
Max. Power Current	I_{mp} (A)	10.38	10.42	10.46	10.50
Open Circuit Voltage	V_{oc} (V)	38.78	38.90	39.02	39.14
Short Circuit Current	I_{sc} (A)	11.11	11.17	11.22	11.28

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

Structure Performance	
Solar Cell Type	182mm Mono-crystalline (Half Cell)
Solar Cell Arrangement	120pcs(6×20)
Module Dimension	1909×1134×35mm/30mm
Weight	26.9kg(35mm)/25.7kg(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(+), landscape 1400mm(+) 230mm(-), 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)	744pcs(35mm)/864pcs(30mm)

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%

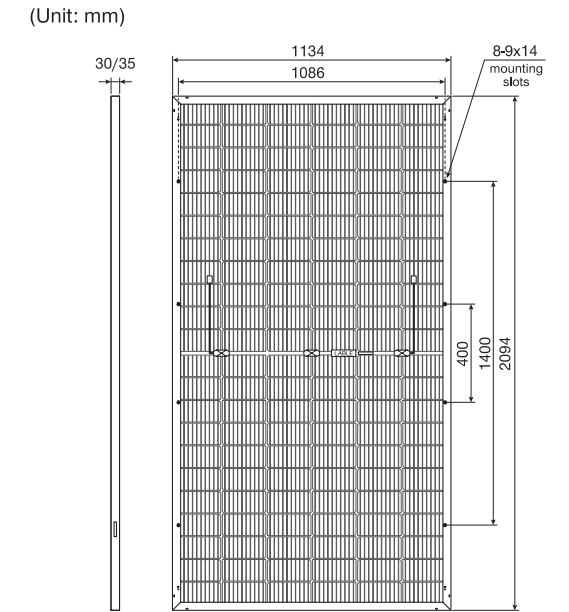
Maximum Parameters	
Working Temperature	-40~+85°C
Maximum System Voltage	1500V DC
Nominal Maximum Fuse Current	25A

182 P-type Bifacial Module

Power Range
490W ~ 505W

Power Output Tolerance
0W ~ +5W

Maximum Efficiency
21.27%



Electrical Performance Parameters STC					
Model Type		490D(HBD) 66(182)	495D(HBD) 66(182)	500D(HBD) 66(182)	505D(HBD) 66(182)
Nominal Max. Power	P_{max} (W)	490	495	500	505
Max. Power Voltage	V_{mp} (V)	38.02	38.20	38.38	38.56
Max. Power Current	I_{mp} (A)	12.89	12.96	13.03	13.10
Open Circuit Voltage	V_{oc} (V)	45.24	45.36	45.48	45.62
Short Circuit Current	I_{sc} (A)	13.78	13.85	13.92	13.99
Module Efficiency	(%)	20.64	20.85	21.06	21.27
Power Output Tolerance	(W)	0~+5W			

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

Electrical Performance Parameters NMOT					
Model Type		490D(HBD) 66(182)	495D(HBD) 66(182)	500D(HBD) 66(182)	505D(HBD) 66(182)
Nominal Max. Power	P_{max} (W)	362	367	372	377
Max. Power Voltage	V_{mp} (V)	34.81	35.16	35.50	35.84
Max. Power Current	I_{mp} (A)	10.40	10.44	10.48	10.52
Open Circuit Voltage	V_{oc} (V)	42.94	43.06	43.18	43.32
Short Circuit Current	I_{sc} (A)	11.13	11.19	11.24	11.30

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

Structure Performance	
Solar Cell Type	182mm Mono-crystalline (Half Cell)
Solar Cell Arrangement	132pcs(6×22)
Module Dimension	2094×1134×35mm/30mm
Weight	29.4kg(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(+), landscape 1400mm(+) 230mm(-), 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)

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	25A

12 years product workmanship warranty

30 years linear power output warranty

1st year power degradation no more than **2%**

Subsequent annual power degradation no more than **0.45%**

12 years product workmanship warranty

30 years linear power output warranty

1st year power degradation no more than **2%**

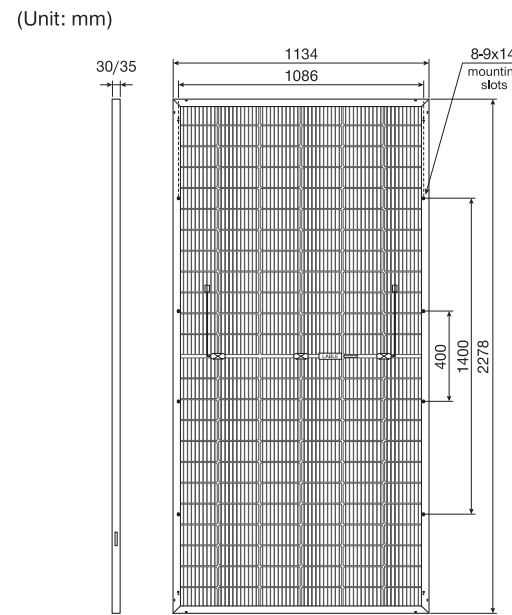
Subsequent annual power degradation no more than **0.45%**

182 P-type Bifacial Module

Power Range
535W ~ 550W

Power Output Tolerance
0W ~ +5W

Maximum Efficiency
21.29%



Electrical Performance Parameters STC					
Model Type		535D(HBD) 72(182)	540D(HBD) 72(182)	545D(HBD) 72(182)	550D(HBD) 72(182)
Nominal Max. Power	P_{max} (W)	535	540	545	550
Max. Power Voltage	V_{mp} (V)	41.45	41.61	41.77	41.93
Max. Power Current	I_{mp} (A)	12.91	12.98	13.05	13.12
Open Circuit Voltage	V_{oc} (V)	49.40	49.52	49.64	49.78
Short Circuit Current	I_{sc} (A)	13.80	13.87	13.94	14.01
Module Efficiency	(%)	20.71	20.90	21.10	21.29
Power Output Tolerance	(W)	0~+5W			

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

Electrical Performance Parameters NMOT					
Model Type		535D(HBD) 72(182)	540D(HBD) 72(182)	545D(HBD) 72(182)	550D(HBD) 72(182)
Nominal Max. Power	P_{max} (W)	405	408	411	414
Max. Power Voltage	V_{mp} (V)	38.78	38.88	39.00	39.13
Max. Power Current	I_{mp} (A)	10.42	10.47	10.52	10.57
Open Circuit Voltage	V_{oc} (V)	47.18	47.37	47.56	47.75
Short Circuit Current	I_{sc} (A)	11.15	11.21	11.26	11.31

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

Structure Performance	
Solar Cell Type	182mm Mono-crystalline (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 ^{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)

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%

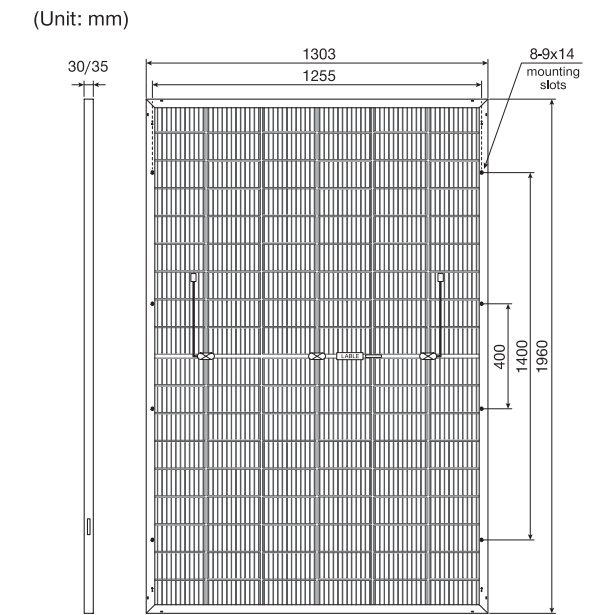
Maximum Parameters	
Working Temperature	-40~+85°C
Maximum System Voltage	1500V DC
Nominal Maximum Fuse Current	25A

210 P-type Bifacial Module

Power Range
525W ~ 545W

Power Output Tolerance
0W ~ +5W

Maximum Efficiency
21.34%



Electrical Performance Parameters STC						
Model Type		525D(HBD) 54(210)	530D(HBD) 54(210)	535D(HBD) 54(210)	540D(HBD) 54(210)	545D(HBD) 54(210)
Nominal Max. Power	P_{max} (W)	525	530	535	540	545
Max. Power Voltage	V_{mp} (V)	30.43	30.63	30.83	31.03	31.23
Max. Power Current	I_{mp} (A)	17.26	17.31	17.36	17.41	17.46
Open Circuit Voltage	V_{oc} (V)	37.00	37.20	37.40	37.60	37.80
Short Circuit Current	I_{sc} (A)	18.20	18.24	18.28	18.32	18.36
Module Efficiency	(%)	20.56	20.75	20.95	21.14	21.34
Power Output Tolerance	(W)	0~+5W				

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

Electrical Performance Parameters NMOT						
Model Type		525D(HBD) 54(210)	530D(HBD) 54(210)	535D(HBD) 54(210)	540D(HBD) 54(210)	545D(HBD) 54(210)
Nominal Max. Power	P_{max} (W)	398	402	406	410	414
Max. Power Voltage	V_{mp} (V)	28.43	28.64	28.84	29.04	29.24
Max. Power Current	I_{mp} (A)	14.00	14.04	14.08	14.12	14.16
Open Circuit Voltage	V_{oc} (V)	34.60	34.80	35.00	35.20	35.40
Short Circuit Current	I_{sc} (A)	14.68	14.72	14.76	14.80	14.84

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

Structure Performance	
Solar Cell Type	210mm Mono-crystalline (Half Cell)
Solar Cell Arrangement	108pcs(6×18)
Module Dimension	1960×1303×35mm/30mm
Weight	32.8kg(35mm)/31.5kg(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)

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

12 years product workmanship warranty

30 years linear power output warranty

1st year power degradation no more than **2%**

Subsequent annual power degradation no more than **0.45%**

12 years product workmanship warranty

30 years linear power output warranty

1st year power degradation no more than **2%**

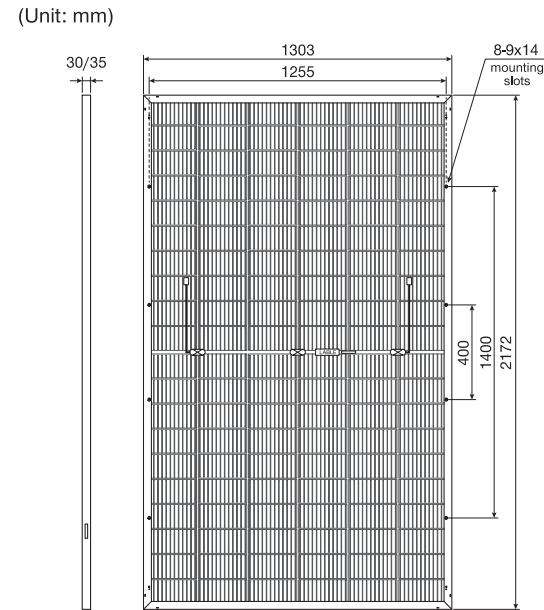
Subsequent annual power degradation no more than **0.45%**

210 P-type Bifacial Module

Power Range
585W ~ 605W

Power Output Tolerance
0W ~ +5W

Maximum Efficiency
21.38%



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%.

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, Ambient Temperature 20°C, Air Mass AM1.5, Wind Speed 1m/s.
* Power measurement tolerance ±3%.

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)

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

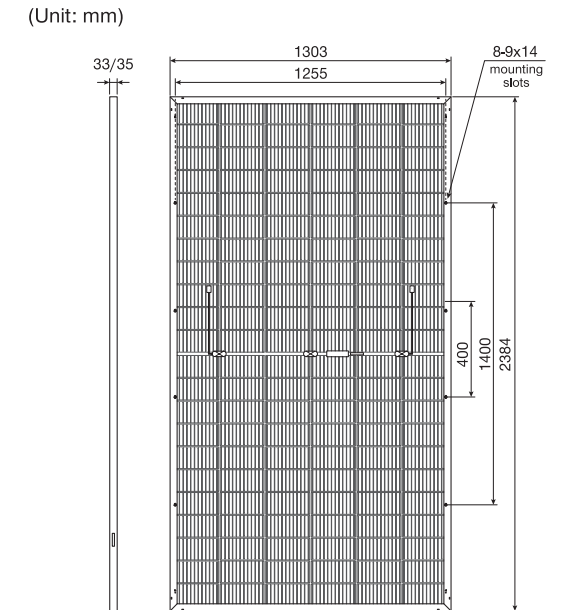
Working Temperature	-40~+85°C
Maximum System Voltage	1500V DC
Nominal Maximum Fuse Current	30A

210 P-type Bifacial Module

Power Range
645W ~ 665W

Power Output Tolerance
0W ~ +5W

Maximum Efficiency
21.41%



Electrical Performance Parameters | STC

Model Type	645D(HBD) 66(210)	650D(HBD) 66(210)	655D(HBD) 66(210)	660D(HBD) 66(210)	665D(HBD) 66(210)	
Nominal Max. Power	P_{max} (W)	645	650	655	660	665
Max. Power Voltage	V_{mp} (V)	37.43	37.63	37.83	38.03	38.23
Max. Power Current	I_{mp} (A)	17.24	17.28	17.32	17.36	17.40
Open Circuit Voltage	V_{oc} (V)	45.40	45.60	45.80	46.00	46.20
Short Circuit Current	I_{sc} (A)	18.30	18.34	18.38	18.42	18.46
Module Efficiency	(%)	20.76	20.92	21.09	21.25	21.41
Power Output Tolerance	(W)	0~+5W				

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

Electrical Performance Parameters | NMOT

Model Type	645D(HBD) 66(210)	650D(HBD) 66(210)	655D(HBD) 66(210)	660D(HBD) 66(210)	665D(HBD) 66(210)	
Nominal Max. Power	P_{max} (W)	488	492	496	500	504
Max. Power Voltage	V_{mp} (V)	34.84	35.04	35.22	35.42	35.62
Max. Power Current	I_{mp} (A)	14.02	14.06	14.08	14.12	14.16
Open Circuit Voltage	V_{oc} (V)	42.80	43.00	43.20	43.40	43.60
Short Circuit Current	I_{sc} (A)	14.74	14.78	14.82	14.86	14.90

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

Structure Performance

Solar Cell Type	210mm Mono-crystalline (Half Cell)
Solar Cell Arrangement	132pcs(6×22)
Module Dimension	2384×1303×35mm/33mm
Weight	38.2kg(35mm)/37.8kg(33mm)
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)/33pcs(33mm)
Per Container(40'HQ)	558pcs(35mm)/594pcs(33mm)

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

12 years product workmanship warranty

30 years linear power output warranty

1st year power degradation no more than **2%**

Subsequent annual power degradation no more than **0.45%**

12 years product workmanship warranty

30 years linear power output warranty

1st year power degradation no more than **2%**

Subsequent annual power degradation no more than **0.45%**

Project Highlights

Businesses can use the free electricity generated from PV power stations directly, reducing consumption of electricity from the power grid, thereby enjoying immense savings on their electrical bill. If applicable, a PV power station can even be connected to the power grid, allowing businesses to sell excess electricity to the grid to generate additional profit.



Karamay Desert Solar Power Station (Phase I)

Project Capacity
600MW

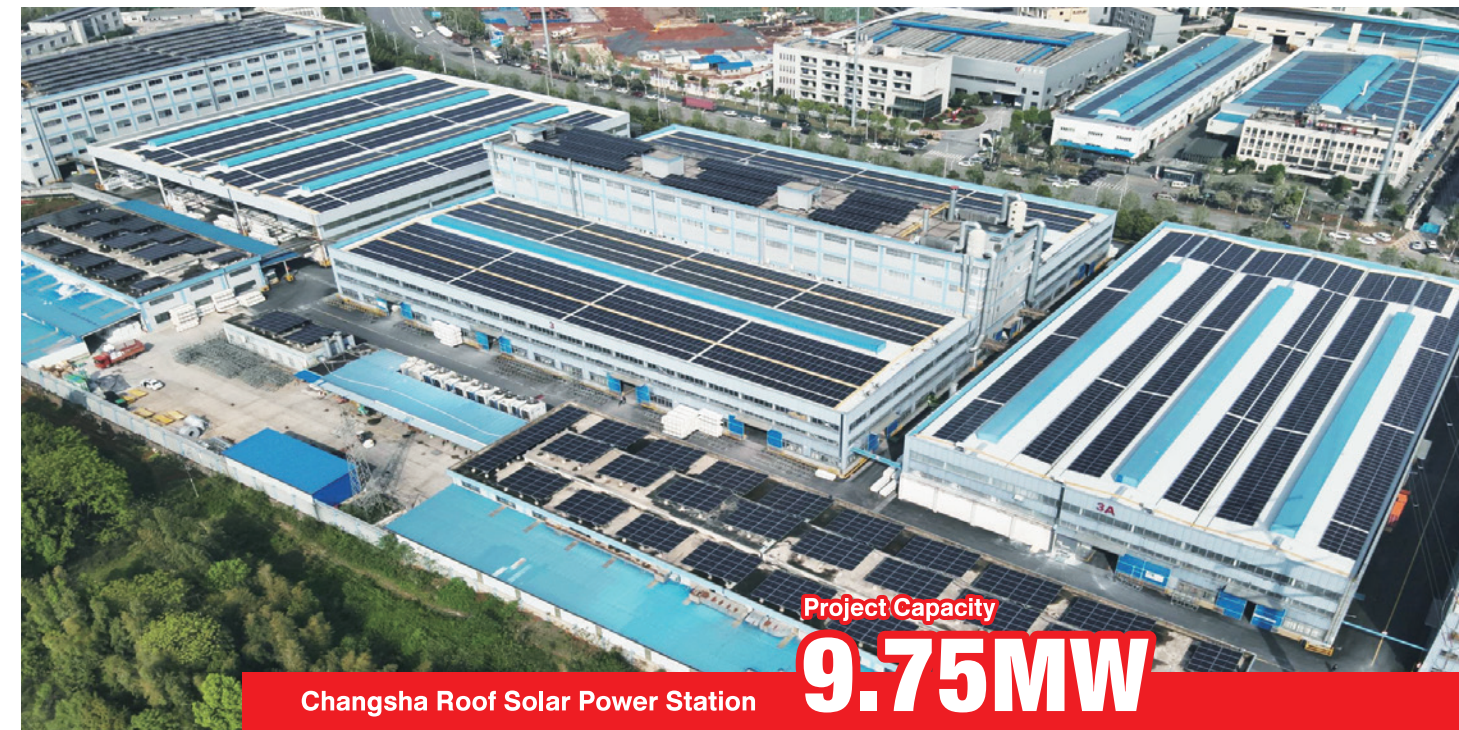
Location: Karamay, Xinjiang, China



Solar Pumping Power Station

Project Capacity
275KW

Location: Egypt



Changsha Roof Solar Power Station

Project Capacity
9.75MW

Location: Changsha, Hunan, China



Maoming Logistics Roof Solar Power Station

Location: Maoming, Guangdong, China

Project Capacity
6.58MW



Ducheng Roof Solar Power Station

Location: Yunan, Guangdong, China

Project Capacity: 5MW



Hongyu Logistics Park Roof Solar Power Station

Location: Guangdong, China

Project Capacity: 4.5MW



Haitian Roof Solar Power Station

Location: Foshan, Guangdong, China

Project Capacity: 6.14MW



Dingan Roof Solar Power Station

Location: Dingan, Hainan, China

Project Capacity: 6MW



Huanghuai market Roof Solar Power Station

Location: Henan, China

Project Capacity: 4.35MW



Mulingke Kemian Factory Roof Solar Power Station

Location: Heilongjiang, China

Project Capacity: 0.8MW