

LESSO

SOLAR PV MODULES

Lesso New Energy Global Trading Private Limited

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

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**SOLAR SOLUTIONS
MANUFACTURER**



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A Bright and Exciting Journey

LESSO Group is a Hong Kong-listed (2128.HK) manufacturer of building materials with an annual revenue of over USD4.38 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.

Since launching its global expansion strategy in 2022, LESSO Solar has been growing at a spectacular pace, extending its reach to over 50 countries worldwide with dedicated global support teams.



USD4.38 bil
Annual Sales Revenue



4 major
Production Bases



40 years
Production Experience



50+ countries
Global Support Teams



Leading the Future with Intelligent Manufacturing

Our 4 production bases aim to grow into a large-scale global manufacturer of solar solutions, introduce advanced equipment, and create intelligent and automated production lines for intelligent building photovoltaic integrated BIPV, solar PV modules, and solar cells.

Our Production Bases



Chongkou Factory
Foshan, China

Solar Modules



Chaoyang Factory
Foshan, China

Solar Modules & Energy Storage



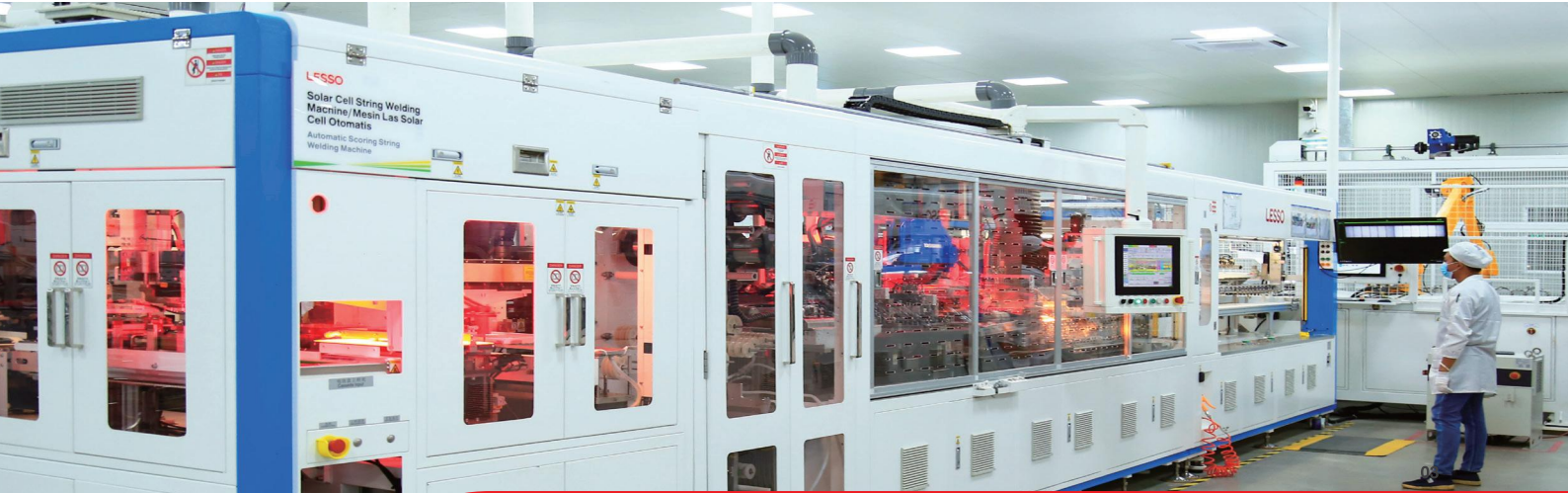
Heshan Factory
Jiangmen, China

Solar Cells



Indonesia Factory
Demak, Indonesia

Solar Modules



By utilizing only the finest raw materials and cutting-edge technology, we meticulously oversee every stage of the production process to provide our customers with the highest-quality products.



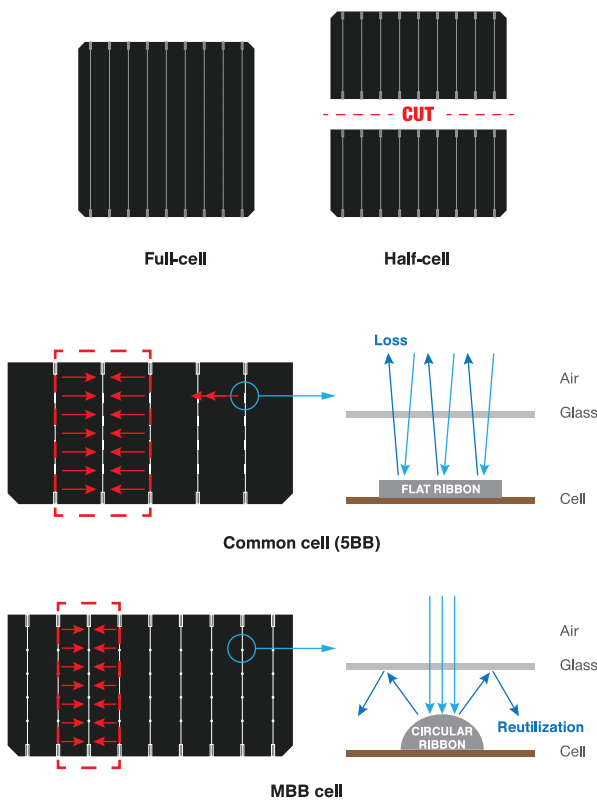
Our Certificates

- IEC 61215, IEC 61730
- ISO 9001:2015 Quality Management System
- ISO 14001:2015 Environment Management System
- ISO 45001:2018 Occupational Health and Safety Management System



HALF-CELL TECHNOLOGY

By adopting half-cell technology, electrical current density is reduced by 50%, resulting in a 25% decrease in internal power loss and an increase in rated output power.

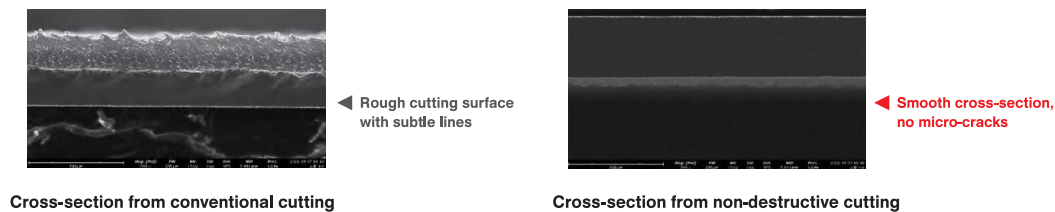


MBB TECHNOLOGY

MBB technology shortens the current collection path by over 50%, minimizes lateral resistance losses, and enhances component poweroutput. LESSO PV modules utilize circular ribbons to reduce shading areasand optimize light reflection for improved energy generation.

NON-DESTRUCTIVE CUTTING TECHNOLOGY

Featuring non-destructive cutting technology, this process ensures smooth cross-sections, reduces micro-crack risks, enhances cell strength. and delivers superior mechanical performance.



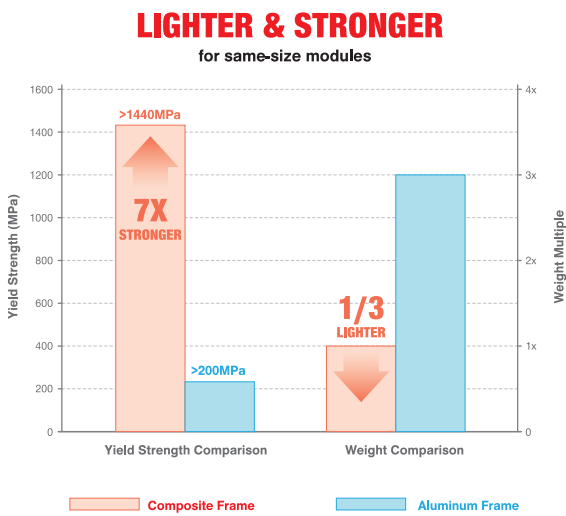
HIGH-DENSITY PACKAGING TECHNOLOGY

Through high-density packaging technology, the effective power-generating area of modules is maximized under the same footprint, improving efficiency without compromising reliability.



COMPOSITE FRAME (GLASS FIBER REINFORCED POLYURETHANE COMPOSITE)

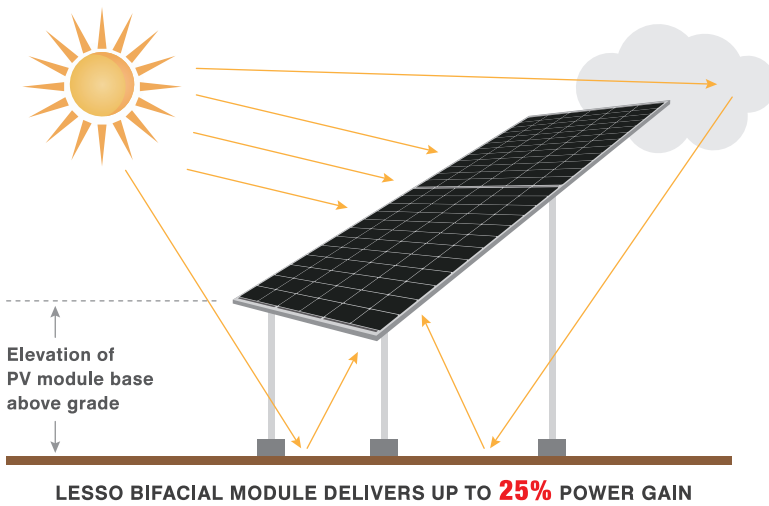
- **Insulation & PID Prevention**
Excellent insulation requires no grounding and prevents PID, boosting power generation efficiency.
- **Lightweight & Cost Saving**
20-30% lighter than aluminum frames, cutting logistics, installation, and reinforcement costs.
- **High Strength & Stability**
Over 1440MPa yield strength (5-7x aluminum's) ensures no permanent deformation and solid structure.
- **Matched CTE, No Warping**
CTE matches glass, preventing breakage and bending under thermal stress.
- **All-Weather Resistance**
Rated C8 for salt spray, resisting acid, alkali, and corrosion in harsh environments.



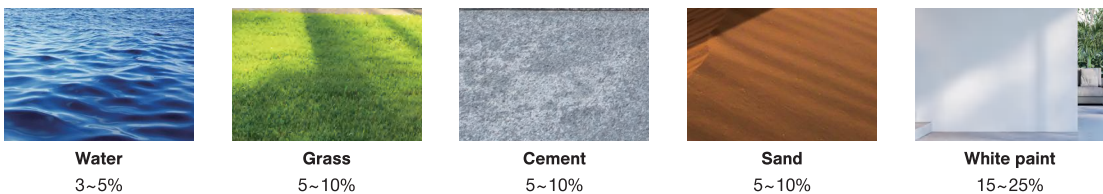
- **Low Carbon, Lower Cost**
14.5% the carbon footprint of aluminum, reducing carbon tariffs and enabling greener manufacturing.

BIFACIAL TECHNOLOGY

Bifacial modules leverage reflected and scattered light, excelling in high-reflectivity environments with proven long-term reliability and superior quality.

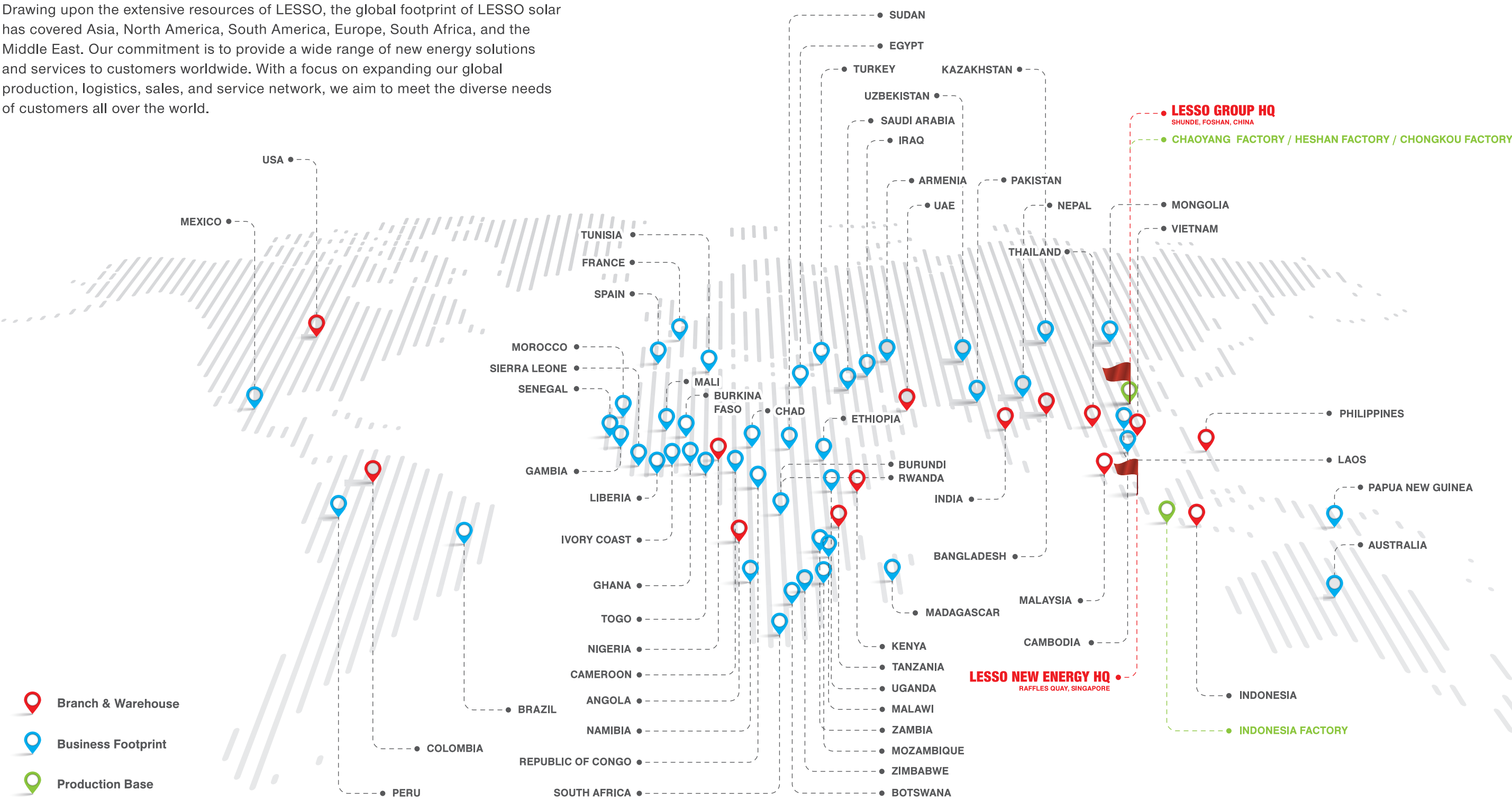


Power generation gain in different scenarios (%)



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.



LTH series

Unleash Unlimited Power, Pioneering Innovation

The LESSO Solar LTH Series leverages advanced TOPCon technology to achieve a maximum module efficiency of 23.51%. Featuring N-type cells with zero light-induced degradation (LID), this series ensures superior energy yield. With an annual degradation rate of just 1% in the first year and 0.4% thereafter, the LTH Series delivers exceptional long-term power generation performance, maximizing revenue potential for customers.



TOPCon Technology
Higher Power Generation



MBB Technology
Reducing String &
Busbar Loss



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



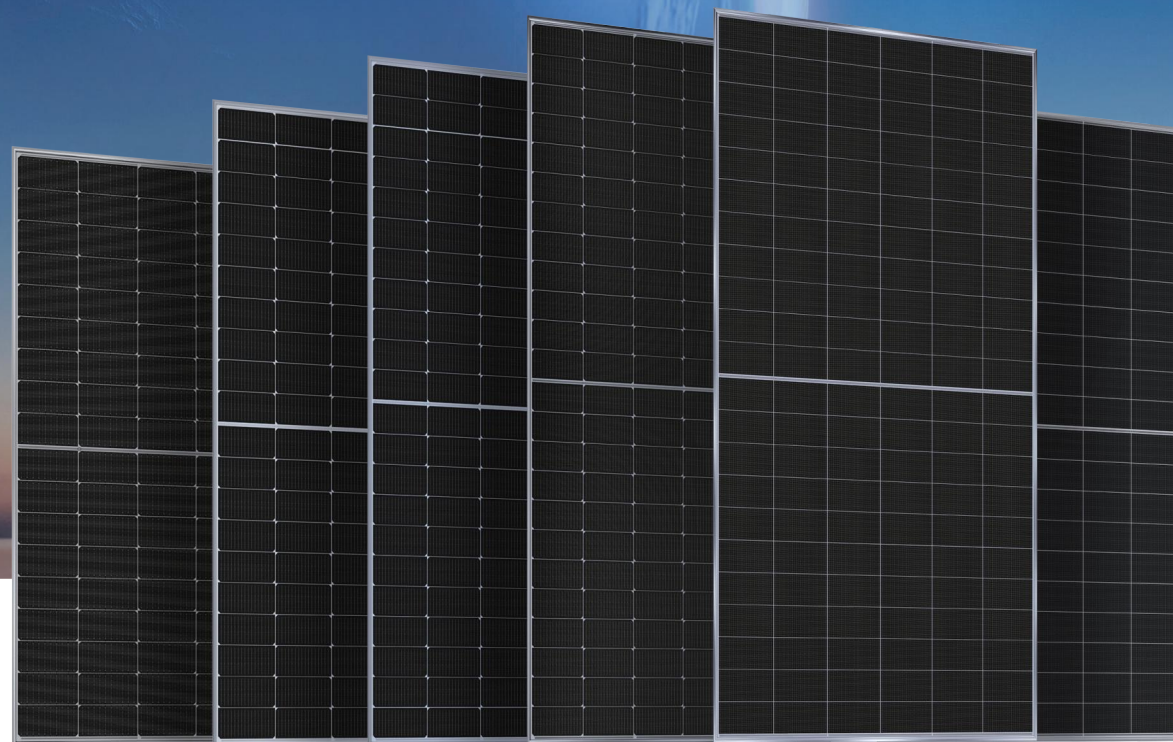
Higher Power Output
Lower BOS Cost



**Multiple Weather
Resistance Tests**
Wider Applicability



Double-sided Generation
Powerfully Energy Boost



182 N-TOPCon Dual-glass Bifacial Module (54)



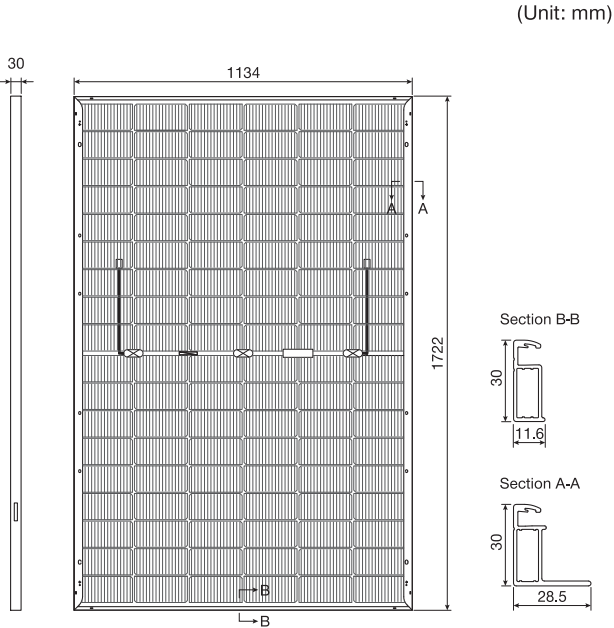
Power Range
430W ~ 450W



Maximum Efficiency
23.04%

Structure Performance

Solar Cell Type	182mm N-TOPCon Mono Cell (Half Cell)
Solar Cell Arrangement	108pcs(6×18)
Module Dimension	1722×1134×30mm
Weight	23.1kg
Front Glass	2.0mm, highly transparent tempered glass with anti-reflective coating
Frame	Anodized Aluminum Alloy
Junction Box	IP68 rated
Cable	4mm², 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)	936pcs

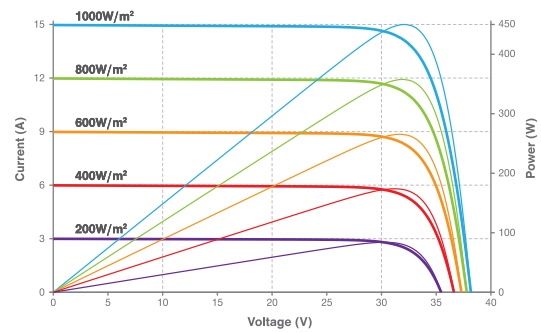


Electrical Performance Parameters

Model Type		430C(HBD)54(182)	435C(HBD)54(182)	440C(HBD)54(182)	445C(HBD)54(182)	450C(HBD)54(182)
Nominal Max. Power	P _{MAX} (W)	430	435	440	445	450
Max. Power Voltage	V _{MPP} (V)	31.88	32.11	32.34	32.57	32.80
Max. Power Current	I _{MPP} (A)	13.49	13.55	13.61	13.67	13.73
Open Circuit Voltage	V _{OC} (V)	37.37	37.57	37.77	37.97	38.17
Short Circuit Current	I _{SC} (A)	14.73	14.79	14.85	14.91	14.97
Module Efficiency	(%)	22.02	22.28	22.53	22.79	23.04

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

Current-Voltage & Power-Voltage Curve (450W)



Bifacial Output-rearside Power Gain

5%	Maximum Power	P _{MAX} (W)	452	457	462	467	473
	Module Efficiency	(%)	23.12	23.39	23.66	23.93	24.20
10%	Maximum Power	P _{MAX} (W)	473	479	484	490	495
	Module Efficiency	(%)	24.22	24.50	24.79	25.07	25.35
25%	Maximum Power	P _{MAX} (W)	538	544	550	556	563
	Module Efficiency	(%)	27.53	27.85	28.17	28.49	28.81

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

182 N-TOPCon Pure-black Dual-glass Bifacial Module (54)



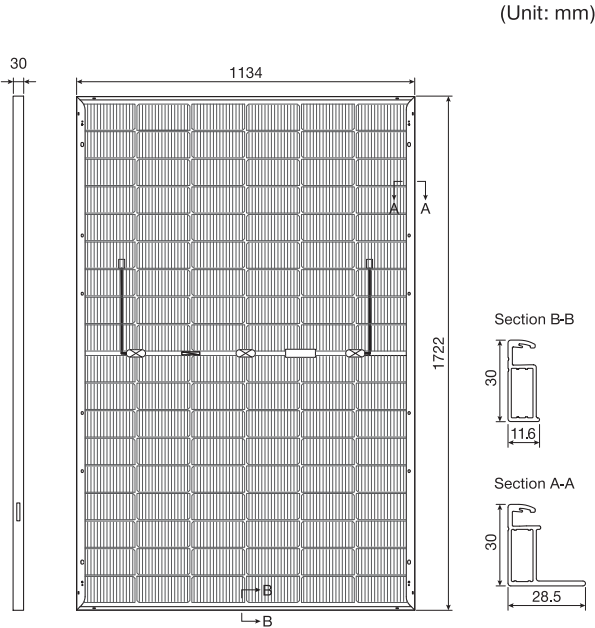
Power Range
430W ~ 450W



Maximum Efficiency
23.04%

Structure Performance

Solar Cell Type	182mm N-TOPCon Mono Cell (Half Cell)
Solar Cell Arrangement	108pcs(6×18)
Module Dimension	1722×1134×30mm
Weight	23.1kg
Front Glass	2.0mm, highly transparent tempered glass with anti-reflective coating
Frame	Anodized Aluminum Alloy (Black)
Junction Box	IP68 rated
Cable	4mm², 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)	936pcs

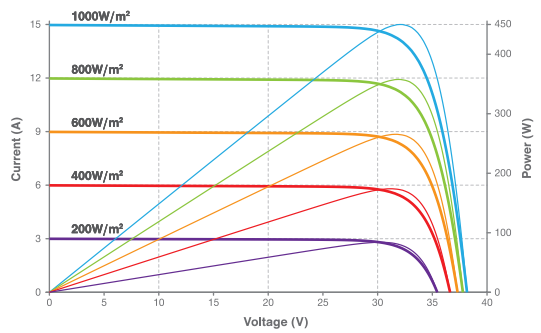


Electrical Performance Parameters

Model Type		430C(BBD)54(182)	435C(BBD)54(182)	440C(BBD)54(182)	445C(BBD)54(182)	450C(BBD)54(182)
Nominal Max. Power	P _{MAX} (W)	430	435	440	445	450
Max. Power Voltage	V _{MPP} (V)	31.69	31.92	32.15	32.38	32.61
Max. Power Current	I _{MPP} (A)	13.57	13.63	13.69	13.75	13.81
Open Circuit Voltage	V _{OC} (V)	37.15	37.35	37.55	37.75	37.95
Short Circuit Current	I _{SC} (A)	14.82	14.88	14.94	15.00	15.06
Module Efficiency	(%)	22.02	22.28	22.53	22.79	23.04

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

Current-Voltage & Power-Voltage Curve (450W)



Bifacial Output-rearside Power Gain

5%	Maximum Power	P _{MAX} (W)	452	457	462	467	473
	Module Efficiency	(%)	23.12	23.39	23.66	23.93	24.20
10%	Maximum Power	P _{MAX} (W)	473	479	484	490	495
	Module Efficiency	(%)	24.22	24.50	24.79	25.07	25.35
25%	Maximum Power	P _{MAX} (W)	538	544	550	556	563
	Module Efficiency	(%)	27.53	27.85	28.17	28.49	28.81

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

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

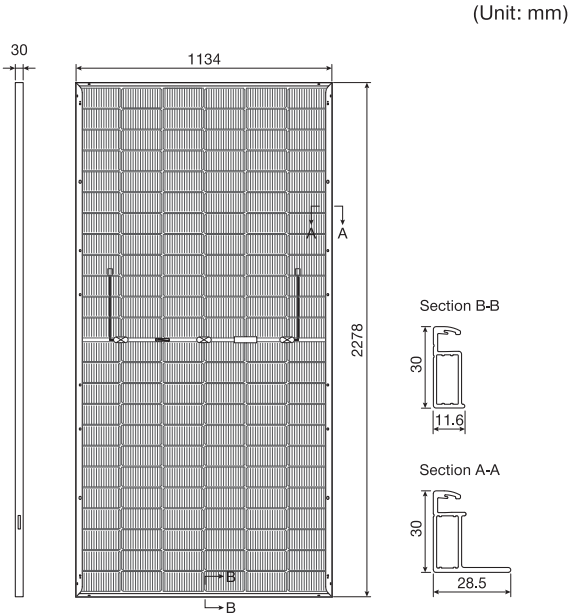


Power Range
580W ~ 600W



Maximum Efficiency
23.23%

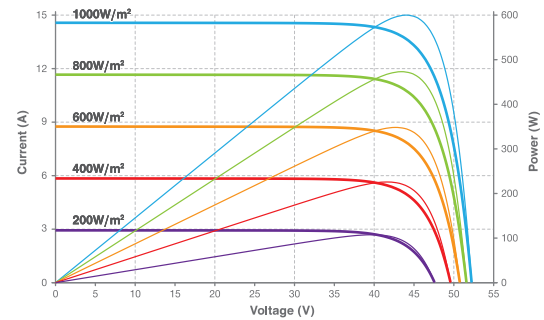
Structure Performance	
Solar Cell Type	182mm N-TOPCon Mono Cell (Half Cell)
Solar Cell Arrangement	144pcs(6×24)
Module Dimension	2278×1134×30mm
Weight	31.2kg
Front Glass	2.0mm, highly transparent tempered glass with anti-reflective coating
Frame	Anodized Aluminum Alloy
Junction Box	IP68 rated
Cable	4mm 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	37pcs
Per Container(40'HQ)	740pcs



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 _{MPP} (V)	42.75	42.89	43.04	43.18	43.33
Max. Power Current	I _{MPP} (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)



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

182 N-TOPCon Dual-glass Bifacial Module (78)

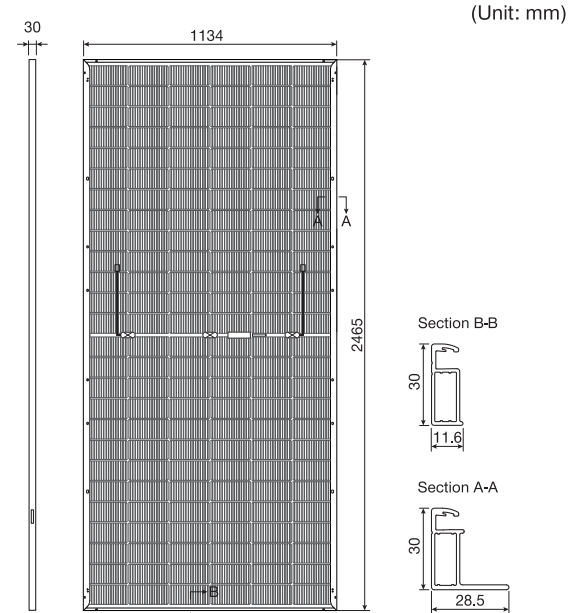


Power Range
630W ~ 650W



Maximum Efficiency
23.25%

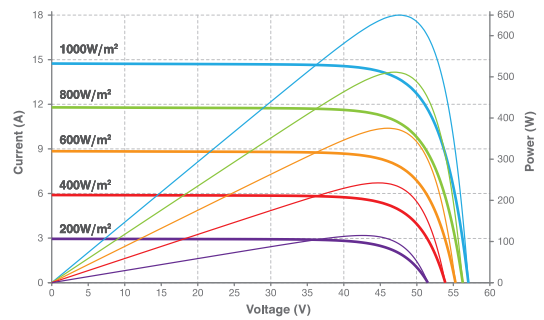
Structure Performance	
Solar Cell Type	182mm N-TOPCon Mono Cell (Half Cell)
Solar Cell Arrangement	156pcs(6x26)
Module Dimension	2465×1134×30mm
Weight	33.5kg
Front Glass	2.0mm, highly transparent tempered glass with anti-reflective coating
Frame	Anodized Aluminum Alloy
Junction Box	IP68 rated
Cable	4mm 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)	576pcs



Electrical Performance Parameters						
Model Type		630C(HBD)78(182)	635C(HBD)78(182)	640C(HBD)78(182)	645C(HBD)78(182)	650C(HBD)78(182)
Nominal Max. Power	P _{MAX} (W)	630	635	640	645	650
Max. Power Voltage	V _{MPP} (V)	46.37	46.50	46.63	46.76	46.89
Max. Power Current	I _{MPP} (A)	13.59	13.66	13.73	13.80	13.87
Open Circuit Voltage	V _{OC} (V)	56.46	56.61	56.76	56.91	57.06
Short Circuit Current	I _{SC} (A)	14.42	14.50	14.58	14.66	14.74
Module Efficiency	(%)	22.54	22.72	22.90	23.07	23.25

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

Current-Voltage & Power-Voltage Curve (650W)



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

210 N-TOPCon Dual-glass Bifacial Module (48)



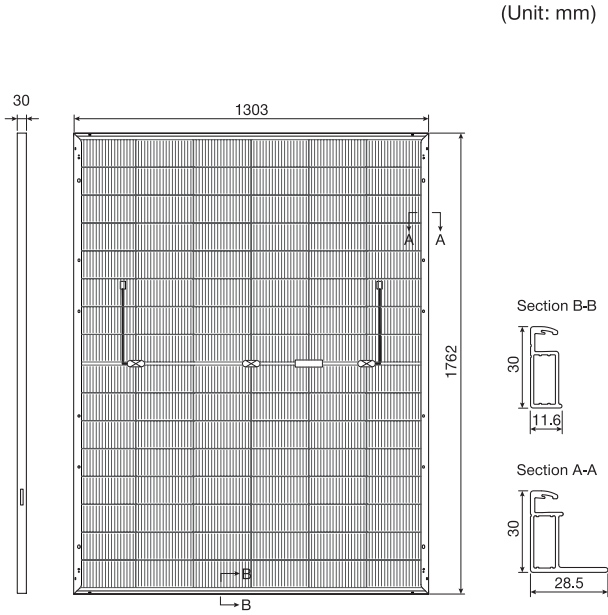
Power Range
510W ~ 530W



Maximum Efficiency
23.08%

Structure Performance

Solar Cell Type	210mm N-TOPCon Mono Cell (Half Cell)
Solar Cell Arrangement	96pcs(6x16)
Module Dimension	1762×1303×30mm
Weight	28.8kg
Front Glass	2.0mm, highly transparent tempered glass with anti-reflective coating
Frame	Anodized Aluminum Alloy
Junction Box	IP68 rated
Cable	4mm², 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)	648pcs

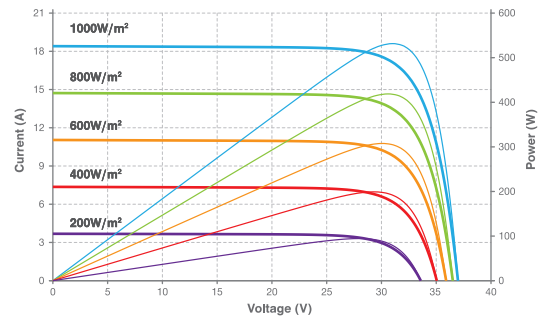


Electrical Performance Parameters

Model Type		510C(HBD)48(210)	515C(HBD)48(210)	520C(HBD)48(210)	525C(HBD)48(210)	530C(HBD)48(210)
Nominal Max. Power	P _{MAX} (W)	510	515	520	525	530
Max. Power Voltage	V _{MPP} (V)	29.18	29.35	29.52	29.69	29.85
Max. Power Current	I _{MPP} (A)	17.48	17.55	17.62	17.69	17.76
Open Circuit Voltage	V _{OC} (V)	36.83	37.00	37.18	37.35	37.52
Short Circuit Current	I _{SC} (A)	18.20	18.24	18.28	18.32	18.36
Module Efficiency	(%)	22.21	22.43	22.65	22.87	23.08

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

Current-Voltage & Power-Voltage Curve (530W)



Bifacial Output-rearside Power Gain

5%	Maximum Power	P _{MAX} (W)	536	541	546	551	557
	Module Efficiency	(%)	23.32	23.55	23.78	24.01	24.24
10%	Maximum Power	P _{MAX} (W)	561	567	572	578	583
	Module Efficiency	(%)	24.44	24.67	24.91	25.15	25.39
25%	Maximum Power	P _{MAX} (W)	638	644	650	656	663
	Module Efficiency	(%)	27.77	28.04	28.31	28.58	28.86

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	35A

210 N-TOPCon Dual-glass Bifacial Module (66)



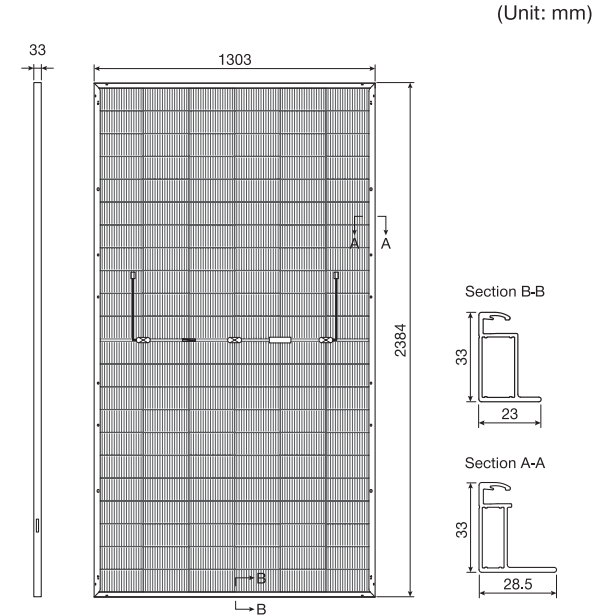
Power Range
710W ~ 730W



Maximum Efficiency
23.50%

Structure Performance

Solar Cell Type	210mm N-TOPCon Mono Cell (Half Cell)
Solar Cell Arrangement	132pcs(6x22)
Module Dimension	2384×1303×33mm
Weight	37.8kg
Front Glass	2.0mm, highly transparent tempered glass with anti-reflective coating
Frame	Anodized Aluminum Alloy
Junction Box	IP68 rated
Cable	4mm², 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	33pcs
Per Container(40'HQ)	594pcs

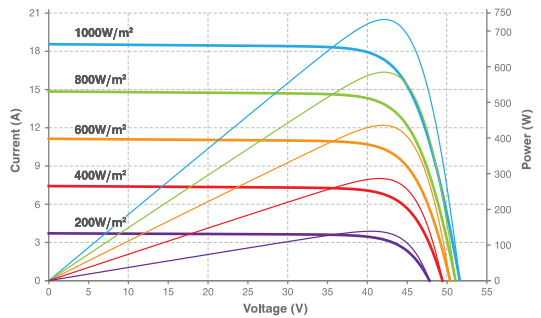


Electrical Performance Parameters

Model Type		710C(HBD)66(210)	715C(HBD)66(210)	720C(HBD)66(210)	725C(HBD)66(210)	730C(HBD)66(210)
Nominal Max. Power	P _{MAX} (W)	710	715	720	725	730
Max. Power Voltage	V _{MPP} (V)	40.51	40.72	40.94	41.16	41.37
Max. Power Current	I _{MPP} (A)	17.53	17.56	17.59	17.62	17.65
Open Circuit Voltage	V _{OC} (V)	50.76	50.97	51.18	51.39	51.60
Short Circuit Current	I _{SC} (A)	18.45	18.49	18.53	18.57	18.61
Module Efficiency	(%)	22.86	23.02	23.18	23.34	23.50

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

Current-Voltage & Power-Voltage Curve (730W)



Bifacial Output-rearside Power Gain

5%	Maximum Power	P _{MAX} (W)	746	751	756	761	767
	Module Efficiency	(%)	24.00	24.17	24.34	24.51	24.68
10%	Maximum Power	P _{MAX} (W)	781	787	792	798	803
	Module Efficiency	(%)	25.14	25.32	25.50	25.67	25.85
25%	Maximum Power	P _{MAX} (W)	888	894	900	906	913
	Module Efficiency	(%)	28.57	28.77	28.97	29.17	29.38

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	35A

210R N-TOPCon Dual-glass Bifacial Module (48)

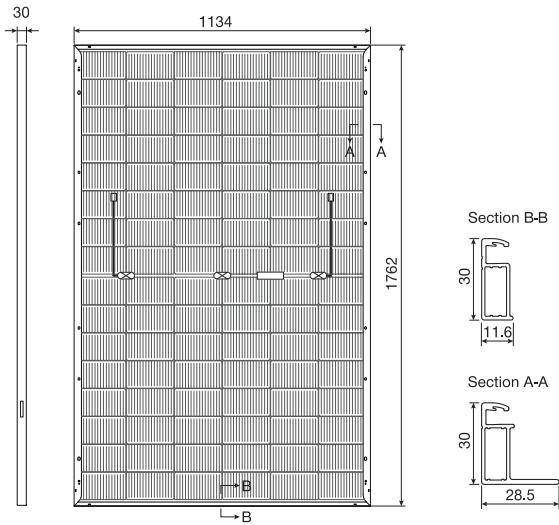


Power Range
445W ~ 465W



Maximum Efficiency
23.27%

Structure Performance	
Solar Cell Type	210R N-TOPCon Mono Cell (Half Cell)
Solar Cell Arrangement	96pcs(6x16)
Module Dimension	1762×1134×30mm
Weight	24.7kg
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)	936pcs

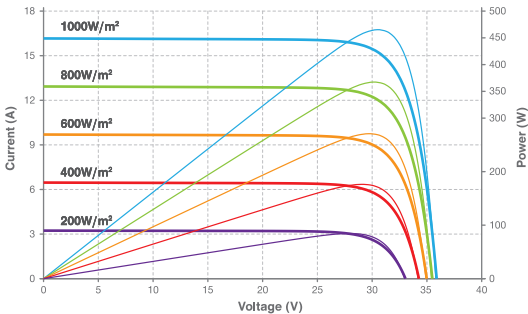


(Unit: mm)

Electrical Performance Parameters						
Model Type		445C(HBD)48(210R)	450C(HBD)48(210R)	455C(HBD)48(210R)	460C(HBD)48(210R)	465C(HBD)48(210R)
Nominal Max. Power	P _{MAX} (W)	445	450	455	460	465
Max. Power Voltage	V _{MPP} (V)	30.05	30.19	30.34	30.48	30.63
Max. Power Current	I _{MPP} (A)	14.81	14.91	15.00	15.09	15.19
Open Circuit Voltage	V _{OC} (V)	35.20	35.35	35.50	35.65	35.80
Short Circuit Current	I _{SC} (A)	15.83	15.92	16.00	16.08	16.16
Module Efficiency	(%)	22.27	22.52	22.77	23.02	23.27

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

Current-Voltage & Power-Voltage Curve (465W)



Bifacial Output-rearside Power Gain							
5%	Maximum Power	P _{MAX} (W)	467	473	478	483	488
	Module Efficiency	(%)	23.38	23.65	23.91	24.17	24.44
10%	Maximum Power	P _{MAX} (W)	490	495	501	506	512
	Module Efficiency	(%)	24.50	24.77	25.05	25.32	25.60
25%	Maximum Power	P _{MAX} (W)	556	563	569	575	581
	Module Efficiency	(%)	27.84	28.15	28.46	28.78	29.09

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	35A

210R N-TOPCon Dual-glass Bifacial Module (66)

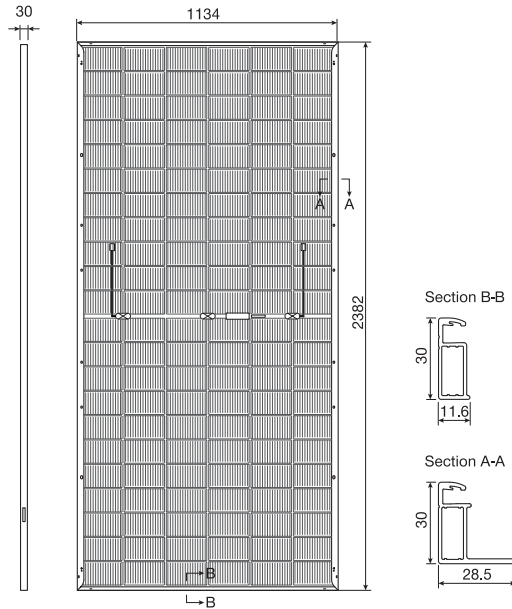


Power Range
615W ~ 635W



Maximum Efficiency
23.51%

Structure Performance	
Solar Cell Type	210R N-TOPCon Mono Cell (Half Cell)
Solar Cell Arrangement	132pcs(6x22)
Module Dimension	2382×1134×30mm
Weight	32.5kg
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	37pcs
Per Container(40'HQ)	740pcs

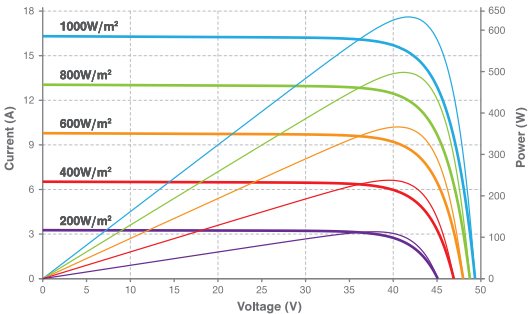


(Unit: mm)

Electrical Performance Parameters						
Model Type		615C(HBD)66(210R)	620C(HBD)66(210R)	625C(HBD)66(210R)	630C(HBD)66(210R)	635C(HBD)66(210R)
Nominal Max. Power	P _{MAX} (W)	615	620	625	630	635
Max. Power Voltage	V _{MPP} (V)	40.76	40.88	40.99	41.12	41.24
Max. Power Current	I _{MPP} (A)	15.09	15.17	15.25	15.33	15.40
Open Circuit Voltage	V _{OC} (V)	48.82	48.95	49.08	49.21	49.34
Short Circuit Current	I _{SC} (A)	15.98	16.06	16.15	16.23	16.31
Module Efficiency	(%)	22.77	22.95	23.14	23.32	23.51

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

Current-Voltage & Power-Voltage Curve (635W)



Bifacial Output-rearside Power Gain							
5%	Maximum Power	P _{MAX} (W)	646	651	656	662	667
	Module Efficiency	(%)	23.91	24.10	24.29	24.49	24.68
10%	Maximum Power	P _{MAX} (W)	677	682	688	693	699
	Module Efficiency	(%)	25.04	25.25	25.45	25.66	25.86
25%	Maximum Power	P _{MAX} (W)	769	775	781	788	794
	Module Efficiency	(%)	28.46	28.69	28.92	29.15	29.39

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	35A

Project Highlights

Businesses can use the free electricity generated from Solar power stations directly, reducing consumption of electricity from the power grid, thereby enjoying immense savings on their electrical bill. If applicable, a Solar 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)

Location: Karamay, Xinjiang, China
Project Capacity: 600MW



KEDA Ceramics Solar Power Station

Location: Kajiado, Kenya
Project Capacity: 8.57MW



IKN President office Rooftop Solar Power Station

Location: Kalimantan, Indonesia
Project Capacity: 1MW



New Community Concentrated Solar Power Generation System

Location: Saraburi Province, Thailand
Project Capacity: 1MW



Snowflake Ice Factory Solar Power Station

Location: Phnom Penh, Cambodia
Project Capacity: 500kW



Solar Pumping Power Station

Location: Egypt
Project Capacity: 275kW



UK MANAGEMENT COLLEGE Solar Power Station

Location: North Shields, UK
Project Capacity: 112kW



CS International Rooftop Solar Power Station

Location: Bangkok, Thailand
Project Capacity: 100kW

LESSO, BUILDING A SOLAR-POWERED WORLD

