

Products Catalogue 2025





LUXEN AT A GLANCE



Tier 1 Solar Module Manufacturer by BloombergNEF



Current Capacity

3 GW + 7 GW by 2026



6GWDeliveries Worldwide



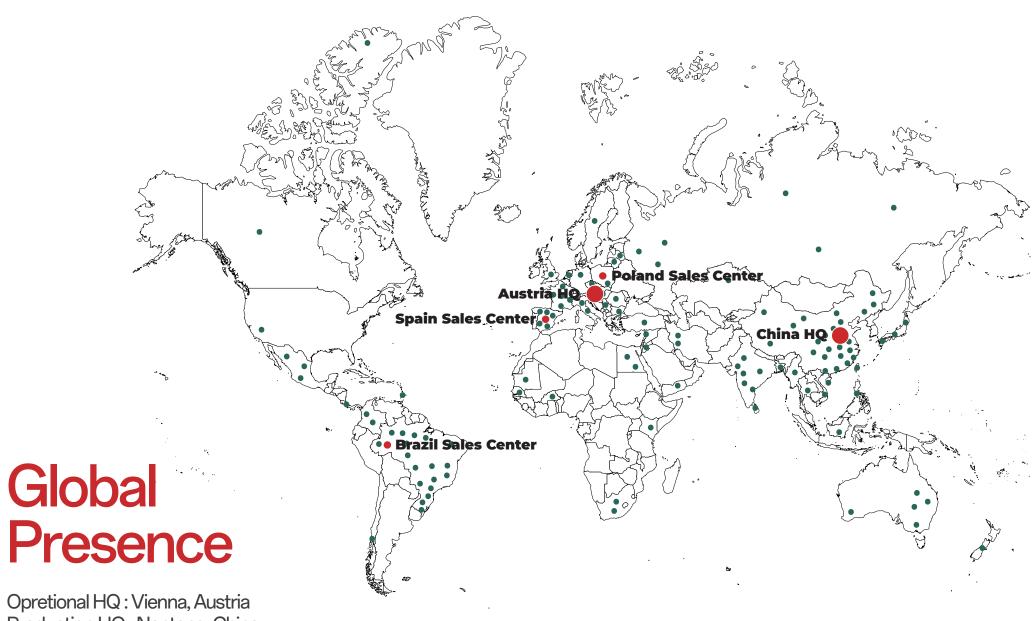
90+ Regions



500+ Employees



40+Patents in the Production Technology



Production HQ: Nantong, China

Sales Center: Murcia (Spain), Kielce (Poland), San Paulo (Brazil)

SMART FACTORY WITH ADVANCED ROBOTICS

Fully certified manufacturing plant equipped with 4.0 industry revolution machines to eliminate human errors and enables high-end opera onal efficiency

Advance intelligent data gathering and analysis facilitates the decision-making

Al-powered inspec ons eliminates product defect

40+

7x24

Patents In The Production Process

Real Time Monitoring

RIGOROUS QC AND QA PROCESS

Advanced testing procedures to ensure high performance all year long & long life span

Sophisticated equipment to ensure the most accurate product quality control

CERTIFICATES

Prestigious third party certifications are the best proof of LUXEN's solar panel quality. Our solar panels have passed the rigorous certification tests leaded by TUV accreditation agencies and can meet the highest quality requirements from around the world.



coc



RETIE(Columbia



TUVSU



CE



TUV Rheinland



BIS(India)



Inmetro(Braz



Fire Rating(Italy)

INSURANCES

In order to protect the investment of our clients in solar energy and ensure the 25(30)-years use life, our solar panels are strongly backed by the world-class insurance groups such as CHUBB and PICC to give the maximum quality guaranty to our clients.

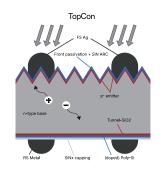






LUXEN Core Technology

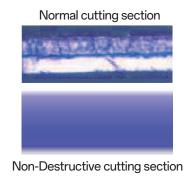
N-TYPE Cell



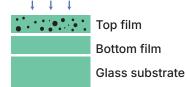


Multi-Busbar

Non-destructive Cutting



Water vapor molecules



Double-layer AR film high-transmittance glass

Segmented Profiled Welding Tape





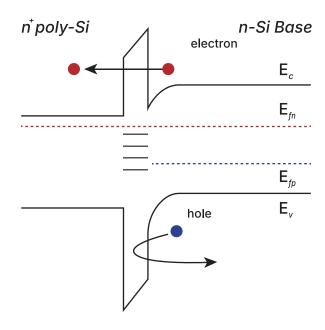
Special Frame Structure

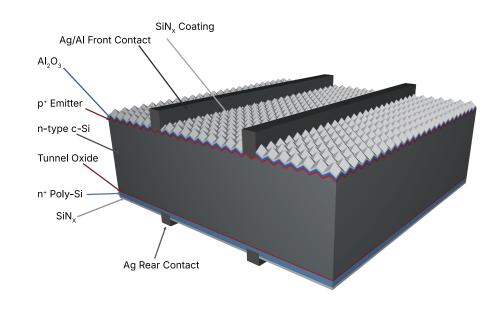
LUXEN N series products adopt the advanced technologies of LUXEN 5 and LUXEN 6 products, such as large silicon wafers, MBB half-cells, loss-less cutting, high-density packaging of special-shaped welding ribbons, and double-layer coated glass. On this basis, LUXEN N also condenses the latest research and innovation achievements of Leneng Photovoltaic: high-efficiency N-type silicon wafers and N-Type cells, combined with a special frame design, making the LUXEN N series products more competitive.

N-TYPE Battery

The silicon oxide between the interface of the Poly-Si and Si substrate of the N-TYPE passivated contact cell plays a very critical role in passivation. Silicon oxide reduces the interface state density between the Si substrate and the Poly-Si through chemical passivation. The majority carrier concentration is much higher than the minority carrier concentration, which reduces the probability of electron-hole recombination while increasing the resistivity, forming a selective contact of the majority carrier. In the selective contact area, the majority carrier transmission leads to resistance loss, while a small amount of minority carriers migrate to the metal contact area, resulting in recombination loss. The Voc is as high as 733mv, and the battery Voc exceeds 700mv. The current maximum efficiency is 25.4%. According to ISFH calculations, the theoretical limit efficiency of the N-TYPE battery is 28.7%.

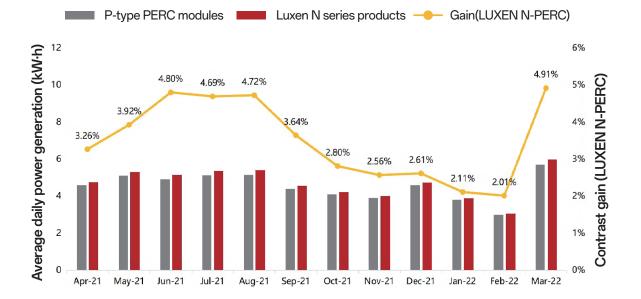
Tunnel oxide





LUXEN N series products integrate many advanced cell module technology achievements of Leneng Photovoltaic, and have the performance advantages of "four highs and four lows", mainly: high power, high efficiency, high bifaciality, high weak light performance, as well as low attenuation rate, low temperature coefficient, low BOS cost, and low LCOE cost. Comprehensive outdoor empirical data, compared with PERC modules, the normalized power generation gain is about 4%, ultimately providing customers with a more cost-effective option.

Luxen N series products & P-type PERC modules, normalized power generation comparison



LUXEN N Performance Advantages

High Power 710W

Compared with P-type PERC modules of the same specifications and size, the average power of LUXEN N series products is 20~30W higher. The maximum power of the 182-inch N5 series is 630W, and the maximum power of the 210-inch N6 series is 710W.

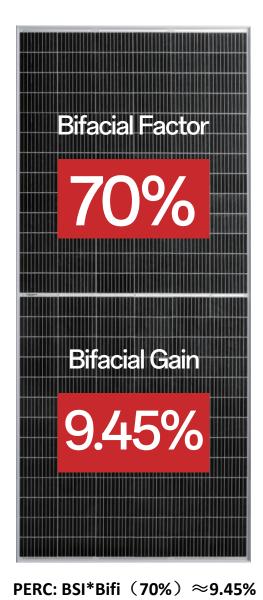
High Efficiency

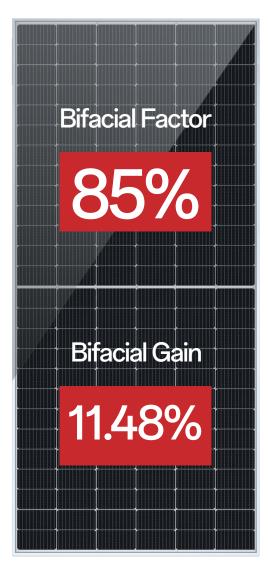
over

22%

Compared with P-type PERC modules of the same specifications and size, the average efficiency of LUXEN N series products is about 1% higher. The highest front conversion efficiency of the 182-panel N5 series is 22.54%, and the highest front conversion efficiency of the 210-panel N6 series is 22.37%, both exceeding the conversion efficiency of more than 22%.

High Bifacial Factor





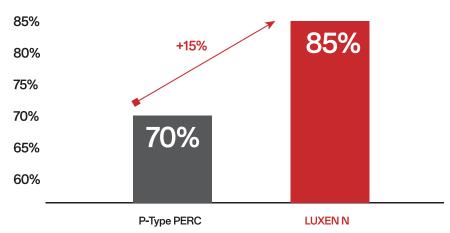
TOPCon: BSI*Bifi (85%) ≈11.48%

Total Power Output $P_{ ext{total}} = P_{ ext{front}} imes (1 + ext{BSI} imes ext{Bifi})$

- Bifi: Bifacial Factor of the module (rear-to-front power ratio under STC).
- BSI: Bifacial Stress Irradiance Coefficient (dependent on actual irradiance conditions and ground albedo).

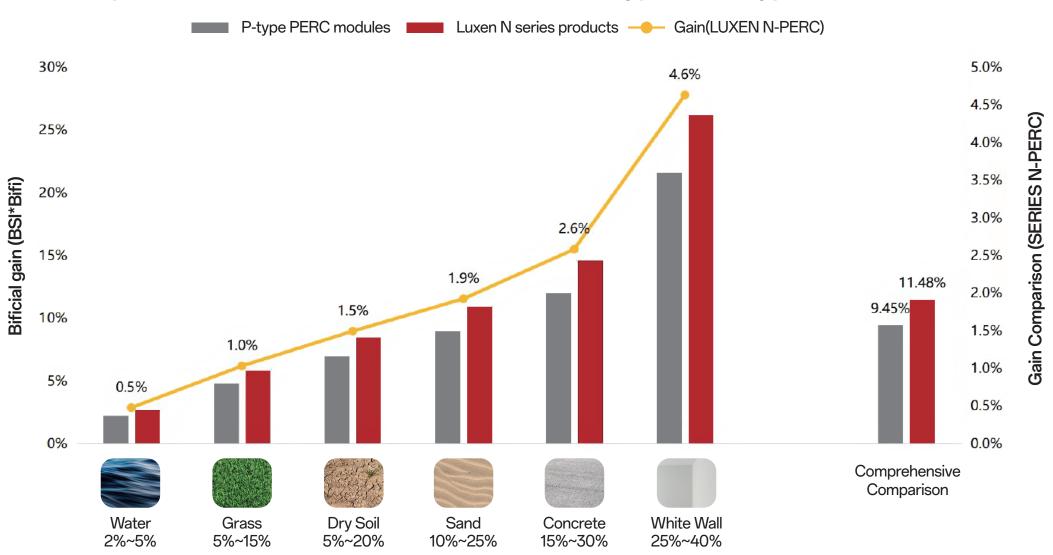
Bifacial Factor, defined as the ratio of the rear-side power to the front-side power under Standard Test Conditions (STC), is a critical metric for evaluating the performance of bifacial photovoltaic modules. The LUXEN N series, utilizing TOPCon bifacial cells developed by Leneng Solar, ensures high front-side cell efficiency while enhancing back-side power generation gain through optimized back-side film layer structures and grid line designs. This innovation enables the LUXEN N modules to achieve a bifacial factor exceeding 85%, approximately 15 percentage points higher than conventional PERC modules.

Comparison of Bifacial Factors Between LUXEN N-type and P-type PERC Modules



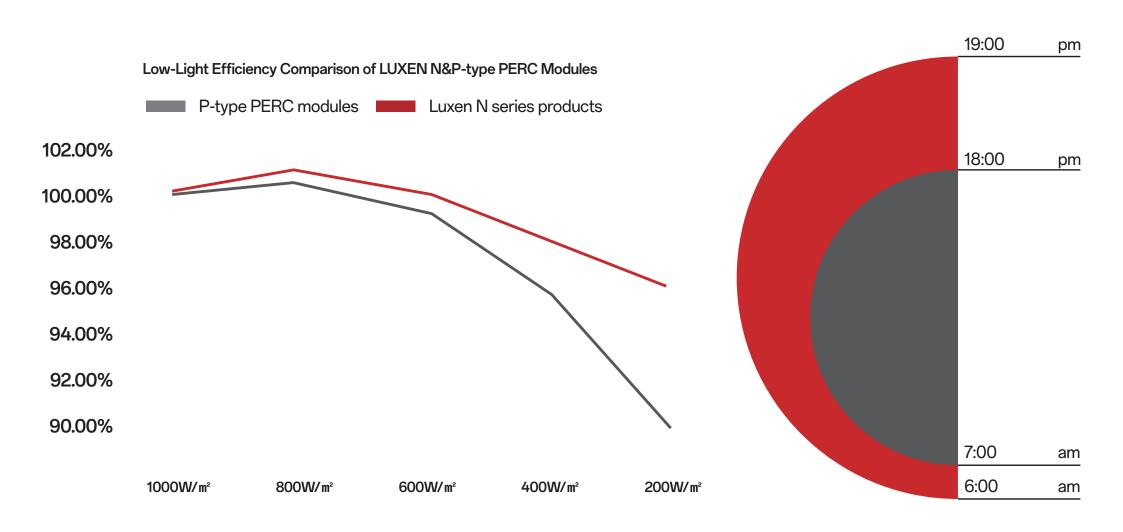
High Bifacial Factor

Comparison of Bifacial Gain Between LUXEN N-type and P-type PERC Modules



Superior Low-Light Performance

Compared to PERC modules, the LUXEN N series demonstrates superior low-light response capability, extending daily power generation by approximately 1 hour during both dawn and dusk periods.



LUXEN Series



L/LAB SERIES Advanced Customization

The "L/LAB" in the L/LAB series is derived from the "Luxen Laboratory", which represents our spirit of innovation and breakthrough. The L/LAB series represents the highest level of technological innovation, performance excellence and professional services in LUXEN Modules. We are committed to providing the most advanced, reliable and comprehensive product solutions to professional customers in the global PV field. At present, LUXEN has launched L/LAB module products to meet the extreme needs of customers, such as full-scene anti-glare and high-load anti-hail.



N TYPE LECO Cell Modules

Equipped with N-TYPE LECO cell technology, which has the characteristics of low composite metallization, laminated film passivation, ultra-low composite emitter, high-quality N-type substrate, ultra-low composite heterogeneous back surface field, "zero" light attenuation, etc., which can make it have the advantages of higher efficiency and bifacial ratio, better power temperature coefficient and lower module operating temperature, better anti-light decay performance and low-light power generation performance.



SERIES 6 210mm Cell Modules

Series 6 solar modules stand out with the breakthrough innovation of M12 size (210mm) solar cells for the highest power generation and the lowest LCOE, which makes Series 6 the optimal choice for large solar power plants. The gallium-doped wafer technology empowers significantly the performance against LID and the latest integrated segmented ribbon technology increases the power output and enhances the module reliability for long-term use.



SERIES 5 182mm Cell Modules

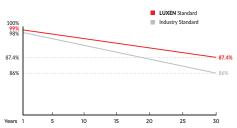
Series 5 solar modules stand out with the breakthrough innovation of M10 size (182mm) solar cells for the highest power generation and the lowest LCOE, which makes Series 5 the optimal choice for large solar power plants. The gallium-doped wafer technology empowers significantly the performance against LID and the latest integrated segmented ribbon technology increases the power output and enhances the module reliability for long-term use.





Linear Performance Warranty

Shading Effects



* LUXEN N-TYPE: Standard warranty 15 years, can be extended up to 20 years.

Insured By









Comprehensive Certificates

- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC61215/IEC61730 Standard Quality
- IEC61701/IEC62716 Salt/Mist/Ammonia Tests

LUXEN SOLAR ENERGY CO., LTD.

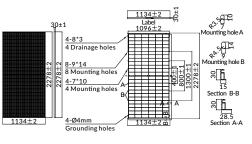
www.luxensolar.com

LUXPOWER® Mono I 570 - 590W BIFACIAL DG

Quality Maker

MECHANICAL CHARACTERISTICS

Solar Cells	N-type Mono
No. of Cells	144 (6x24)
Dimensions	2278 x 1134 x 30mm
Weight	31.5kg
Front / Back Glass	2.0mm coated semi-tempered glass
Frame	Anodized aluminium alloy
Junction Box	lp68 rated (3 by pass diodes)
	4.0mm ²
Output Cables	250mm (+) / 350mm (-)
	Length can be customized
Connectors	Mc4 compatible
Mechanical load test	Front 5400Pa / Rear 2400Pa



ELECTRICAL PARAMETERS

POWER CLASS	LNVU-570ND		LNVU-57	LNVU-575ND		LNVU-580ND		LNVU-585ND		LNVU-590ND	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	
Maximum power (Pmax)	570W	429W	575W	433W	580W	437W	585W	441W	590W	445W	
Open Circuit Voltage (Voc)	51.41V	48.69V	51.55V	48.82V	51.68V	48.96V	51.81V	49.09V	51.94V	49.23V	
Short Circuit Current (Isc)	14.15A	11.41A	14.22A	11.47A	14.29A	11.53A	14.36A	11.59A	14.43A	11.65A	
Voltage at Maximum power (Vmpp)	42.41V	39.36V	42.56V	39.51V	42.71V	39.66V	42.86V	39.80V	43.00V	39.95V	
Current Maximum Power (Impp)	13.44A	10.90A	13.51A	10.96A	13.58A	11.02A	13.65A	11.08A	13.72A	11.14A	
MODULE EFFICIENCY (%)	22.07%		22.26%		22.45%		22.65%		22.84%		

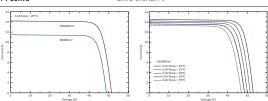
STC: Irradiance 1000W/m2, cell temperature 25°C, AM1.5G

	, 12 00 11 01 NEW WOLDE 1 0 11 EN GO WIT					
5%	Maximum power (Pmax)	599W	604W	609W	614W	620W
376	Module Efficiency STC (%)	23.17%	23.37%	23.57%	23.78%	23.98%
15%	Maximum power (Pmax)	656W	661W	667W	673W	679W
13/6	Module Efficiency STC (%)	25.37%	25.60%	25.82%	26.04%	26.27%
25%	Maximum Power (Pmax)	713W	719W	725W	731W	738W
25%	Module Efficiency STC (%)	27.58%	27.82%	28.07%	28.31%	28.55%

PACKING CONFIGURATION	I-V CURVE	LNVU-575ND/I-V

Container	20'GP	40'HQ
Pieces per pallet	37	37
Pallets per container	5	20
Pieces per container	185	740

DIEACIAL OLITOLIT-DEADSIDE DOWED CAIN



TEMPERATURE CHARACTERISTICS

Temperature Coefficient of Voc

OPERATING CHARACTERISTICS

Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	1500 DC (IEC)
Maximum Series Fuse Rating	30A
Power Tolerance	0/+5W

TEINI EIGHTOILE CHAIGACTERIO	100	
ominal Operating Temperature (NMOT)	45±2°C	
mperature Coefficient of Pmax	-0.29%°C	

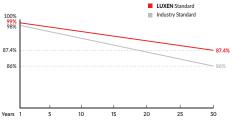
+0.045%°C Temperature Coefficient of Isc

-0.25%°C





Linear Performance Warranty



* LUXEN N-TYPE: Standard warranty 15 years, can be extended up to 20 years.

Insured By









Comprehensive Certificates

- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC61215/IEC61730 Standard Quality
- IEC61701/IEC62716 Salt/Mist/Ammonia Tests

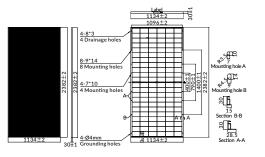
www.luxensolar.com

LUXPOWER® Mono I 605 - 625W BIFACIAL DG

Quality Maker

MECHANICAL CHARACTERISTICS

Solar Cells	N-type Mono
No. of Cells	132 (6x22)
Dimensions	2382 x 1134 x 30mm
Weight	33.5kg
Front / Back Glass	2.0mm coated semi-tempered glass
Frame	Anodized aluminium alloy
Junction Box	lp68 rated (3 by pass diodes)
	4.0mm ²
Output Cables	250mm (+) / 350mm (-)
	Length can be customized
Connectors	Mc4 compatible
Mechanical load test	Front 5400Pa / Rear 2400Pa



ELECTRICAL PARAMETERS

POWER CLASS	LNDT-60	5ND	LNDT-61	0ND	LNDT-61	5ND	LNDT-62	0ND	LNDT-62	5ND
	STC	NMOT								
Maximum power (Pmax)	605W	454W	610W	458W	615W	462W	620W	466W	625W	470W
Open Circuit Voltage (Voc)	48.75V	45.70V	48.94V	45.91V	49.13V	46.12V	49.32V	46.33V	49.50V	46.54V
Short Circuit Current (Isc)	15.74A	12.59A	15.80A	12.64A	15.86A	12.69A	15.92A	12.74A	15.98A	12.78A
Voltage at Maximum power (Vmpp)	40.82V	38.29V	40.99V	38.47V	41.16V	38.65V	41.33V	38.83V	41.50V	39.01V
Current Maximum Power (Impp)	14.82A	11.86A	14.88A	11.90A	14.94A	11.95A	15.00A	12.00A	15.06A	12.05A
MODULE EFFICIENCY (%)	22.40%		22.58%		22.77%		22.95%		23.14%	

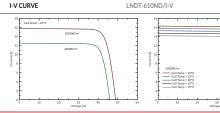
STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G NMOT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s, AM1.5G

BIFACIAL OUTPUT-REARSIDE POWER GAIN

5%	Maximum power (Pmax)	635W	641W	646W	651W	656W
3%	Module Efficiency STC (%)	23.52%	23.71%	23.91%	24.10%	24.29%
15%	Maximum power (Pmax)	696W	702W	707W	713W	719W
13%	Module Efficiency STC (%)	25.76%	25.97%	26.18%	26.40%	26.61%
25%	Maximum Power (Pmax)	756W	763W	769W	775W	781W
23/6	Module Efficiency STC (%)	28.00%	28.23%	28.46%	28.69%	28.92%

PACKING CONFIGURATION

Container	40'HQ	
Pieces per pallet	37	
Pallets per container	20	
Pieces per container	740	



OPERATING CHARACTERISTICS

Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	1500 DC (IEC)
Maximum Series Fuse Rating	30A
Power Tolerance	0/+5W

TEMPERATURE CHARACTERIST	ICS	
Nominal Operating Temperature (NMOT)	45±2°C	_
Temperature Coefficient of Pmax	-0.29%°C	
Temperature Coefficient of Voc	-0.25%°C	
Temperature Coefficient of Isc	+0.045%°C	

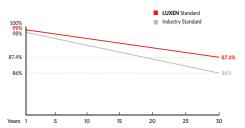
TEMPERATURE CHARACTERISTICS





Linear Performance Warranty

Shading Effects



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* LUXEN N-TYPE: Standard warranty 15 years, can be extended up to 20 years.

Insured By









Comprehensive Certificates

- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC61215/IEC61730 Standard Quality
- IEC61701/IEC62716 Salt/Mist/Ammonia Tests

LUXEN SOLAR ENERGY CO., LTD. Production HQ: No.1, Haiyue Road, Nantong, Jiangsu, 226000, China

LUXPOWER® Mono I 620 - 640W BIFACIAL DG

Quality Maker

MECHANICAL CHARACTERISTICS Solar Cells N-type Mono No. of Cells 156 (6x26) Dimensions 2465 x 1134 x 30mm Weight 34.5kg Mounting hole A 2.0mm coated semi-tempered glass Frame Anodized aluminium alloy 8 Mounting holes 8-7*10 Junction Box Ip68 rated (3 by pass diodes) ≋[f 15 Section B-B 250mm (+) / 350mm (-) **Output Cables** € 1 28.5 Length can be customized Connectors Mc4 compatible Front 5400Pa / Rear 2400Pa

ELECTRICAL PARAMETERS										
POWER CLASS	LNVH-620ND		LNVH-625ND		LNVH-630ND		LNVH-635ND		LNVH-640ND	
	STC	NMOT								
Maximum power (Pmax)	620W	467W	625W	471W	630W	475W	635W	479W	640W	483W
Open Circuit Voltage (Voc)	55.64V	52.67V	55.75V	52.78V	55.87V	52.89V	55.98V	52.99V	56.09V	53.10V
Short Circuit Current (Isc)	14.18A	11.44A	14.25A	11.50A	14.32A	11.56A	14.39A	11.62A	14.46A	11.68A
Voltage at Maximum power (Vmpp)	46.03V	42.73V	46.16V	42.86V	46.29V	42.99V	46.42V	43.11V	46.55V	43.24V
Current Maximum Power (Impp)	13.47A	10.93A	13.54A	10.99A	13.61A	11.05A	13.68A	11.11A	13.75A	11.17A
MODULE EFFICIENCY (%)	22.18%		22.36%		22.54%		22.72%		22.90%	

IFACI	AL OUTPUT-REARSIDE POWER G	AIN				
F0/	Maximum power (Pmax)	651W	656W	662W	667W	672W
5%	Module Efficiency STC (%)	23.29%	23.48%	23.66%	23.85%	24.04%
15%	Maximum power (Pmax)	713W	719W	725W	730W	736W
13/0	Module Efficiency STC (%)	25.51%	25.71%	25.92%	26.12%	26.33%
25%	Maximum Power (Pmax)	775W	781W	788W	794W	800W
23/0	Module Efficiency STC (%)	27.73%	27.95%	28.17%	28.40%	28.62%

Contair	ner	40'HQ	16 Cell Temp = 25°C		16	
PACKIN	NG CONFIGURATION		I-V CURVE		LNVH-620ND/I-V	
	Module Efficiency STC (%)	27.73%	27.95%	28.17%	28.40%	28.62%
25%	Maximum Power (Pmax)	775W	781W	788W	794W	800W
	Module Efficiency STC (%)	25.51%	25.71%	25.92%	26.12%	26.33%
15%	Maximum power (Pmax)	713W	719W	725W	730W	736W

ontainer	40'HQ	16 Cal Temp - 25°C
ieces per pallet	37	1000W/m' 12
allets per container	16	
ieces per container	592	g a
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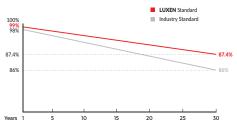
OPERATING CHARA	ACTERISTICS	TEMPERATURE CHARACTERISTICS					
Operating Module Temperature	-40°C to +85°C	Nominal Operating Temperature (NMOT)	45±2°C				
ximum System Voltage 1500 DC (IEC)		Temperature Coefficient of Pmax	-0.29%°C				
Maximum Series Fuse Rating	30A	Temperature Coefficient of Voc	-0.25%°C				
PowerTolerance	0/+5W	Temperature Coefficient of Isc	+0.045%°C				







Linear Performance Warranty



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LUXEN SOLAR ENERGY CO., LTD. Production HQ: No.1, Haiyue Road, Nantong, Jiangsu, 226000, China

www.luxensolar.com

LUXPOWER® Mono I 620 - 640W BIFACIAL DG

Front 5400Pa / Rear 2400Pa

Quality Maker

MECHANICAL CHARACTERISTICS Solar Cells N-type Mono No. of Cells 144 (6x24) Dimensions 2465 x 1134 x 30mm Weight 34.5kg 2.0mm coated semi-tempered glass Frame Anodized aluminium alloy Junction Box Ip68 rated (3 by pass diodes) $4.0 mm^2$ Section B-B 250mm (+) / 350mm (-) **Output Cables** Length can be customized 28.5 Section A-A Connectors Mc4 compatible

ELECTRICAL PARAMETERS										
POWER CLASS	LNCU-620ND		LNCU-625ND		LNCU-630ND		LNCU-635ND		LNCU-640ND	
	STC	NMOT								
Maximum power (Pmax)	620W	467W	625W	471W	630W	475W	635W	479W	640W	483W
Open Circuit Voltage (Voc)	51.65V	48.68V	51.84V	48.88V	52.03V	49.08V	52.22V	49.28V	52.41V	49.48V
Short Circuit Current (Isc)	15.12A	12.10A	15.18A	12.14A	15.24A	12.19A	15.30A	12.24A	15.36A	12.29A
Voltage at Maximum power (Vmpp)	43.51V	40.96V	43.68V	41.14V	43.84V	41.32V	44.01V	41.49V	44.17V	41.67V
Current Maximum Power (Impp)	14.25A	11.40A	14.31A	11.45A	14.37A	11.50A	14.43A	11.54A	14.49A	11.59A
MODULE EFFICIENCY (%)	22.18%		22.36%		22.54%		22.72%		22.90%	

	Maximum power (Pmax)	651W	656W	662W	667W	672W
5%	Module Efficiency STC (%)	23.29%	23.48%	23.66%	23.85%	24.04%
15%	Maximum power (Pmax)	713W	719W	725W	730W	736W
13/0	Module Efficiency STC (%)	25.51%	25.71%	25.92%	26.12%	26.33%
25%	Maximum Power (Pmax)	775W	781W	788W	794W	800W
25%	Module Efficiency STC (%)	27.73%	27.95%	28.17%	28.40%	28.62%

Contair	ner	40'HQ	18 Cell Temp = 25°C		11	
PACKING CONFIGURATION I-V CURVE LNCU-625ND/I-V						
2370	Module Efficiency STC (%)	27.73%	27.95%	28.17%	28.40%	28.62%
25%	Maximum Power (Pmax)	775W	781W	788W	794W	800W
	Module Efficiency STC (%)	25.51%	25.71%	25.92%	26.12%	26.33%
15%	Maximum power (Pmax)	713W	719W	725W	730W	736W

Container	40'HQ	Cell Temp = 25°C
Pieces per pallet	37	14 5000W/m² 14
Pallets per container	16	3 10 800W/m² 3 10
Pieces per container	592	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
		6 — Call trap : 10°C — Call trap : 10°C — Call trap : 20°C — Call trap : 20°C — Call trap : 40°C — Call trap
		2 =

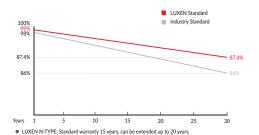
OPERATING CHARA	ACTERISTICS	TEMPERATURE CHARACTERISTICS					
Operating Module Temperature	-40°C to +85°C	Nominal Operating Temperature (NMOT)	45±2°C				
Maximum System Voltage	1500 DC (IEC)	Temperature Coefficient of Pmax	-0.29%°C				
Maximum Series Fuse Rating	30A	Temperature Coefficient of Voc	-0.25%°C				
Power Tolerance	0/+5W	Temperature Coefficient of Isc	+0.045%°C				







Linear Performance Warranty



Insured By









Comprehensive Certificates

- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC61215/IEC61730 Standard Quality
- IEC61701/IEC62716 Salt/Mist/Ammonia Tests

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LUXPOWER® Mono I 685 - 710W BIFACIAL DG

Quality Maker

MECHANICAL CHARACTERISTICS Solar Cells N-type Mono No. of Cells 132 (6x22) Dimensions 2384 x 1303 x 33mm Weight 38.5kg Front / Back Glass 2.0mm coated semi-tempered glass Frame Anodized aluminium alloy Junction Box Ip68 rated (3 by pass diodes) $4.0 mm^{2}$ 250mm (+) / 350mm (-) **Output Cables** Length can be customized Connectors Mc4 compatible Front 5400Pa / Rear 2400Pa

ELECTRICAL PARAMETERS											
LNET-685ND		LNET-690ND		LNET-695ND		LNET-700ND		LNET-705ND		LNET-710ND	
STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
685W	520W	690W	524W	695W	528W	700W	532W	705W	536W	710W	540W
47.75V	45.32V	47.95V	45.52V	48.15V	45.73V	48.34V	45.93V	48.54V	46.13V	48.73V	46.33V
18.24A	14.59A	18.29A	14.63A	18.34A	14.67A	18.39A	14.71A	18.44A	14.75A	18.49A	14.79A
39.64V	37.62V	40.03V	37.82V	40.03V	38.02V	40.23V	38.22V	40.42V	38.42V	40.62V	38.62V
17.28A	13.82A	17.36A	13.86A	17.36A	13.89A	17.40A	13.92A	17.44A	13.95A	17.48A	13.98A
22.05%		22.21%		22.37%		22.53%		22.70%		22.86%	
	STC 685W 47.75V 18.24A 39.64V 17.28A	STC NMOT 685W 520W 47.75V 45.32V 18.24A 14.59A 39.64V 37.62V 17.28A 13.82A	LNET-685ND LNET-69 STC NIMOT STC 685W 520W 690W 47.75V 45.32V 47.95V 18.24A 14.59A 18.29A 39.64V 37.62V 40.03V 17.28A 13.82A 17.36A	LNET-685ND LNET-690ND STC NMOT STC NMOT 685W 520W 690W 524W 47.75V 45.32V 47.95V 45.52V 18.24A 14.59A 18.29A 14.63A 39.64V 37.62V 40.03V 37.82V 17.28A 13.82A 17.36A 13.86A	LNET-685ND LNET-690ND LNET-69 STC NMOT STC NMOT STC 685W 520W 690W 524W 695W 47.75V 45.32V 47.95V 45.52V 48.15V 18.24A 14.59A 18.29A 14.63A 18.34A 39.64V 37.62V 40.03V 37.82V 40.03V 17.28A 13.82A 17.36A 13.86A 17.36A	STC NMOT STC NMOT STC NMOT 685W 520W 690W 524W 695W 528W 47.75V 45.32V 47.95V 45.52V 48.15V 45.73V 18.24A 14.59A 18.29A 14.63A 18.34A 14.67A 39.64V 37.62V 40.03V 37.82V 40.03V 38.02V 17.28A 13.82A 17.36A 13.86A 17.36A 13.89A	LNET-685ND LNET-690ND LNET-695ND LNET-70 STC NMOT STC NMOT STC 685W 520W 690W 524W 695W 528W 700W 47.75V 45.32V 47.95V 45.52V 48.15V 45.73V 48.34V 18.24A 14.59A 18.29A 14.63A 18.34A 14.67A 18.39A 39.64V 37.62V 40.03V 37.82V 40.03V 38.02V 40.23V 17.28A 13.82A 17.36A 13.86A 17.36A 13.89A 17.40A	LNET-685ND LNET-690ND LNET-695ND LNET-700ND STC NMOT STC NMOT STC NMOT STC NMOT STC NMOT S32W 532W 532W 532W 532W 532W 45.73V 48.34V 45.93V 45.93V 45.93V 45.93V 45.73V 48.34V 45.93V 45.73V 48.34V 45.73V 47.1A 39.64V 37.62V 40.03V 37.82V 40.03V 38.02V 40.23V 38.22V 40.23V 38.22V 40.23V 37.64D 17.36A 13.86A 17.36A 13.89A 17.40A 13.92A	LNET-685ND LNET-690ND LNET-695ND LNET-700ND LNET-70 STC NIMOT STC <	LNET-685ND LNET-690ND LNET-695ND LNET-700ND LNET-705ND STC NMOT STC	LNET-685ND LNET-690ND LNET-695ND LNET-700ND LNET-75ND LNET-710 STC NMOT STC NMOT

F0/	Maximum power (Pmax)	719W	725W	730W	735W	740W	746W
5%	Module Efficiency STC (%)	23.15%	23.32%	23.49%	23.66%	23.83%	24.00%
15%	Maximum power (Pmax)	788W	794W	799W	805W	811W	817W
1376	Module Efficiency STC (%)	25.36%	25.54%	25.73%	25.91%	26.10%	26.28%
25%	Maximum Power (Pmax)	856W	863W	869W	875W	881W	888W
23%	Module Efficiency STC (%)	27.56%	27.77%	27.97%	28.17%	28.37%	28.57%

STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G NMOT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s, AM1.5G

Module Efficiency STC (%)	27.56%	27.77%	27.97%	28.17%	28.37%	28.57%
PACKING CONFIGURATION	I-V CURVE		LNET-690ND/I-			
Container	40'HQ	20 Cell Temp = 2	15°C	20		
Pieces per pallet	34	16	SOOW/m'	16))))]
Pallets per container	18	₹ 12	\	₹ 12		\\\\\ 1
Pieces per container	612		,	1 1 2 2	OC/W/m²	\\\\\\ 1
		4		\\ 1 £≡	= Cell Temp = 10 °C = Cell Temp = 25 °C = Cell Temp = 40 °C = Cell Temp = 55 °C	1
		2			- Cell Temp = 70 °C	. . 1

OPERATING CHARA	ACTERISTICS	TEMPERATURE CHARACTERISTICS		
Operating Module Temperature	-40°C to +85°C	Nominal Operating Temperature (NMOT)	45±2°C	
Maximum System Voltage	1500 DC (IEC)	Temperature Coefficient of Pmax	-0.30%°C	
Maximum Series Fuse Rating	35A	Temperature Coefficient of Voc	-0.24%°C	
Power Tolerance 0/+5W		Temperature Coefficient of Isc	+0.04%°C	

