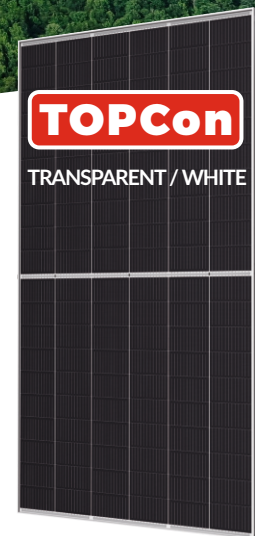


LUXPOWER® SERIES **N**6



615-635W Mono BIFACIAL DG
120 Half-Cell Layout
M12/210mm N-TOPCon Cell



LECO N-TOPCon Cell Technology



SMBB Half Cut Cell Technology



Bifacial Cell Module Technologies



Excellent Anti-PID Low LID Performance

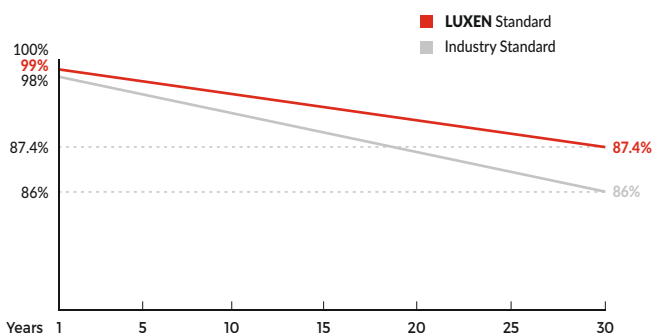


Less Hot Spot Shading Effects



Higher Power Output Lower BOS & LCOE

Linear Performance Warranty



* LUXEN TOPCon: 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.

Operational HQ: Vienna Technology Center, Christine-Touaillon-Strasse 11/2.01, 1220 Vienna, Austria

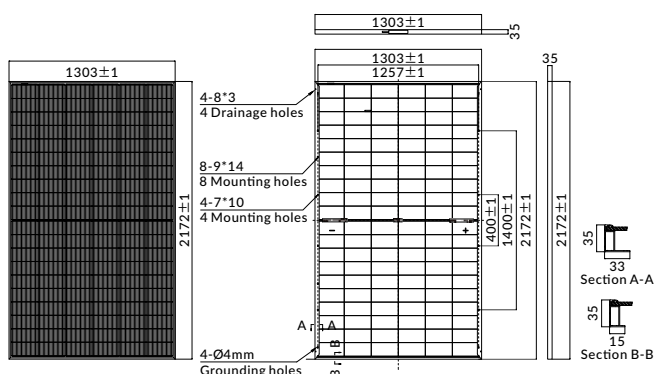
Production HQ: No.1, Haiyue Road, Nantong, Jiangsu, 226000, China

europa@luxensolar.at

www.luxensolar.com

MECHANICAL CHARACTERISTICS

Solar Cells	N-type Mono
No. of Cells	120 (6x20)
Dimensions	2172 x 1303 x 35mm
Weight	35.0kg
Front Glass	2.0mm coated semi-tempered glass
Back Glass	2.0mm semi-tempered glass
Junction Box	Ip68 rated (3 by pass diodes)
	4.0mm ²
Output Cables	300mm (+) / 300mm (-)
	Length can be customized
Connectors	Mc4 compatible
Mechanical load test	5400Pa



ELECTRICAL PARAMETERS

POWER CLASS	LNEK-615ND		LNEK-620ND		LNEK-625ND		LNEK-630ND		LNEK-635ND	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum power (Pmax)	615W	468W	620W	472W	625W	476W	630W	480W	635W	484W
Open Circuit Voltage (Voc)	43.54V	40.94V	43.75V	41.13V	43.96V	41.33V	44.16V	41.52V	44.37V	41.71V
Short Circuit Current (Isc)	18.12A	14.68A	18.16A	14.72A	18.20A	14.76A	18.24A	14.80A	18.28A	14.84A
Voltage at Maximum power (Vmpp)	35.99V	33.77V	36.21V	33.98V	36.44V	34.20V	36.67V	34.41V	36.90V	34.62V
Current Maximum Power (Impp)	17.09A	13.86A	17.12A	13.89A	17.15A	13.92A	17.18A	13.95A	17.21A	13.98A
MODULE EFFICIENCY (%)	21.73%		21.91%		22.08%		22.26%		22.44%	

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

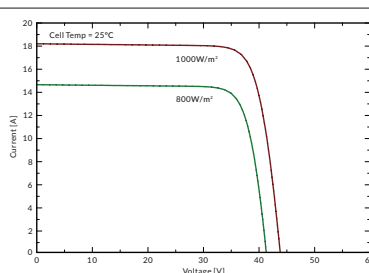
BIFACIAL OUTPUT-REAR SIDE POWER GAIN

5%	Maximum power (Pmax)	646W	651W	656W	662W	667W
	Module Efficiency STC (%)	22.82%	23.00%	23.19%	23.37%	23.56%
15%	Maximum power (Pmax)	707W	713W	719W	725W	730W
	Module Efficiency STC (%)	24.99%	25.19%	25.40%	25.60%	25.80%
25%	Maximum Power (Pmax)	769W	775W	781W	788W	794W
	Module Efficiency STC (%)	27.16%	27.38%	27.60%	27.83%	28.05%

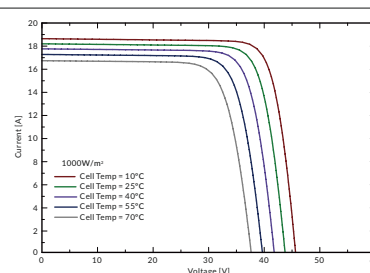
PACKING CONFIGURATION

Container	40'HQ
Pieces per pallet	32
Pallets per container	18
Pieces per container	576

I-V CURVE



LNEK-625ND/I-V



OPERATING CHARACTERISTICS

Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	1500 DC (IEC)
Maximum Series Fuse Rating	35A
Power Tolerance	0/+5W

TEMPERATURE CHARACTERISTICS

Nominal Operating Temperature (NMOT)	45±2°C
Temperature Coefficient of Pmax	-0.30%/°C
Temperature Coefficient of Voc	-0.24%/°C
Temperature Coefficient of Isc	+0.04%/°C

Note: The specifications, data and technical characteristics provided in this data sheet are subject to changes due to continuous R&D, product innovation and improvement. LUXEN SOLAR reserves the right to modify the information any time without prior notice.