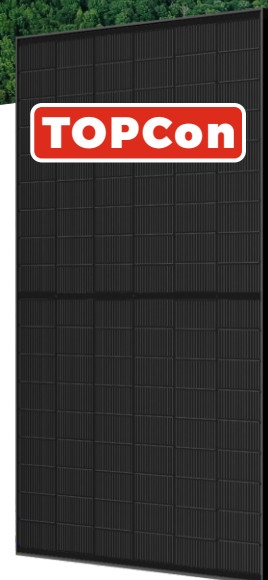


LUXNERI® SERIES **N**5



480-500W Mono

108 Half-Cell Layout
FULL BLACK BIFACIAL DG
G12R N-TOPCon Cell



LECO N-TOPCon Cell Technology



SMBB Half Cut Cell Technology



Bifacial Cell Module Technologies



Excellent Anti-PID Low LID Performance

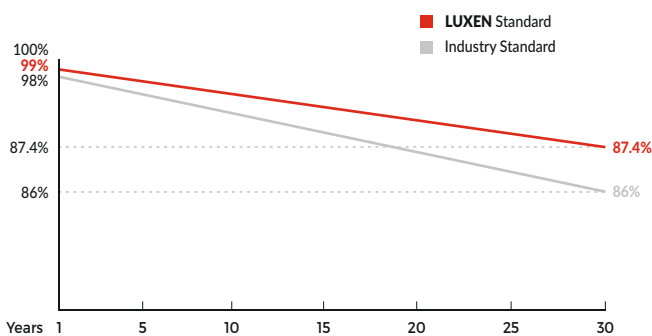


Less Hot Spot Shading Effects



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



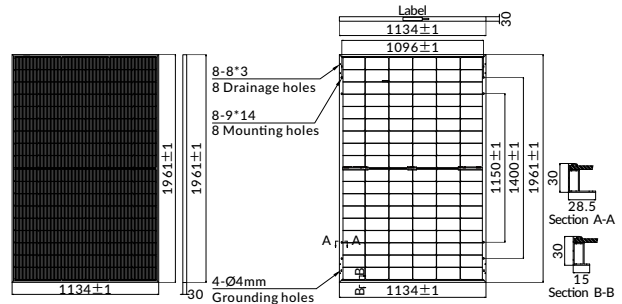
LUXEN SOLAR ENERGY CO., LTD.

Operational HQ: Vienna Technology Center, Christine-Touaillon-Strasse 11/2.01, 1220 Vienna, Austria
Production HQ: No.1, Haiyue Road, Nantong, Jiangsu, 226000, China
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MECHANICAL CHARACTERISTICS

Solar Cells	N-type Mono
No. of Cells	108 (6x18)
Dimensions	1961 x 1134 x 30mm
Weight	27.5kg
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	280mm (+) / 350mm (-)
	Length can be customized
Connectors	Mc4 compatible
Mechanical load test	5400Pa



ELECTRICAL PARAMETERS

POWER CLASS	LNDB-480ND		LNDB-485ND		LNDB-490ND		LNDB-495ND		LNDB-500ND	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum power (Pmax)	480W	360W	485W	364W	490W	368W	495W	372W	500W	376W
Open Circuit Voltage (Voc)	39.10V	36.63V	39.33V	36.88V	39.55V	37.12V	39.78V	37.36V	40.00V	37.59V
Short Circuit Current (Isc)	15.60A	12.48A	15.66A	12.53A	15.72A	12.58A	15.78A	12.62A	15.84A	12.67A
Voltage at Maximum power (Vmpp)	32.70V	30.65V	32.90V	30.87V	33.11V	31.08V	33.31V	31.29V	33.51V	31.50V
Current Maximum Power (Impp)	14.68A	11.74A	14.74A	11.79A	14.80A	11.84A	14.86A	11.89A	14.92A	11.94A
MODULE EFFICIENCY (%)	21.58%		21.81%		22.03%		22.26%		22.48%	

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

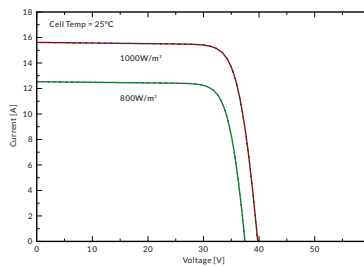
BIFACIAL OUTPUT-REAR SIDE POWER GAIN

		LNDB-480ND		LNDB-485ND		LNDB-490ND		LNDB-495ND		LNDB-500ND	
		STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
5%	Maximum power (Pmax)	504W		509W		515W		520W		525W	
	Module Efficiency STC (%)	22.66%		22.90%		23.14%		23.37%		23.61%	
15%	Maximum power (Pmax)	552W		558W		564W		569W		575W	
	Module Efficiency STC (%)	24.82%		25.08%		25.34%		25.60%		25.86%	
25%	Maximum Power (Pmax)	600W		606W		613W		619W		625W	
	Module Efficiency STC (%)	26.98%		27.26%		27.54%		27.82%		28.11%	

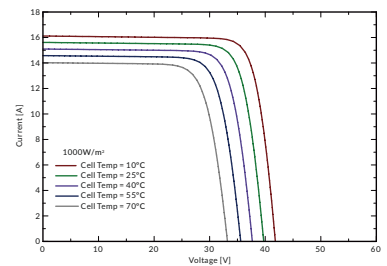
PACKING CONFIGURATION

Container	40'HQ
Pieces per pallet	36
Pallets per container	22
Pieces per container	792

I-V CURVE



LNDT-495ND/I-V



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 CHARACTERISTICS

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

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.