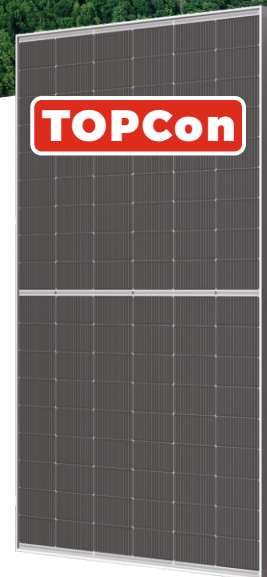


# LUXPOWER® SERIES N5



## 485-505W Mono

108 Half-Cell Layout  
G12R N-TOPCon Cell



LECO N-TOPCon Cell Technology



Half Cut Cell Technology



SMBB Technology



Excellent Anti-PID Low LID Performance

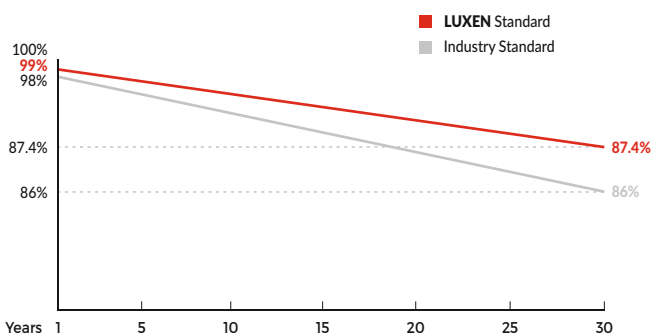


Less Hot Spot Shading Effects



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



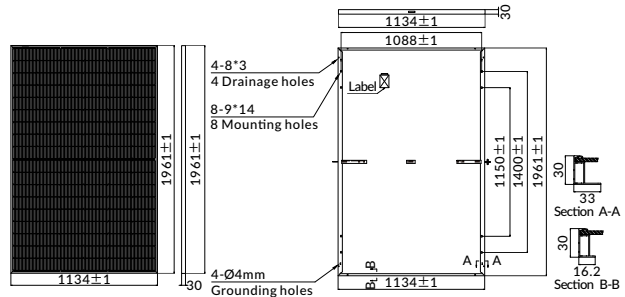
LUXEN SOLAR ENERGY CO., LTD.

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

www.luxensolar.com

MECHANICAL CHARACTERISTICS

Solar Cells	N-type Mono
No. of Cells	108 (6x18)
Dimensions	1961 x 1134 x 30mm
Weight	23.5kg
Front Glass	3.2mm coated tempered glass
Frame	Anodized aluminium alloy
Junction Box	Ip68 rated (3 by pass diodes)
	4.0mm <sup>2</sup>
Output Cables	280mm (+) / 350mm (-)
	Length can be customized
Connectors	Mc4 compatible
Mechanical load test	5400Pa



ELECTRICAL PARAMETERS

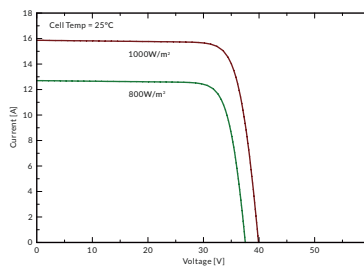
POWER CLASS	LNDB-485N		LNDB-490N		LNDB-495N		LNDB-500N		LNDB-505N	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum power (Pmax)	485W	364W	490W	368W	495W	372W	500W	376W	505W	380W
Open Circuit Voltage (Voc)	39.23V	36.78V	39.45V	37.02V	39.68V	37.26V	39.90V	37.50V	40.12V	37.74V
Short Circuit Current (Isc)	15.70A	12.56A	15.76A	12.61A	15.82A	12.66A	15.88A	12.70A	15.94A	12.75A
Voltage at Maximum power (Vmpp)	32.81V	30.78V	33.02V	31.00V	33.22V	31.21V	33.42V	31.42V	33.62V	31.62V
Current Maximum Power (Impp)	14.78A	11.82A	14.84A	11.87A	14.90A	11.92A	14.96A	11.97A	15.02A	12.02A
MODULE EFFICIENCY (%)	21.81%		22.03%		22.26%		22.48%		22.71%	

STC: Irradiance 1000W/m<sup>2</sup>, cell temperature 25°C, AM1.5G    NMOT: Irradiance 800W/m<sup>2</sup>, ambient temperature 20°C, wind speed 1m/s, AM1.5G

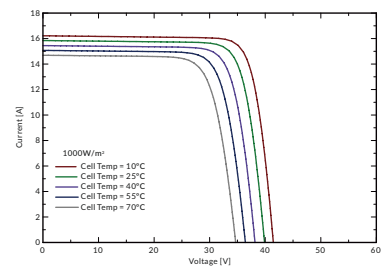
PACKING CONFIGURATION

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

I-V CURVE



LNDB-500N/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.