

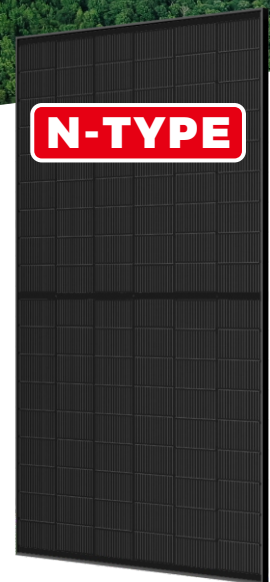
LUXNERI® SERIES **N**5

485-505W Mono

108 Half-Cell Layout

G12R N-TYPE Cell

FULL BLACK BIFACIAL DG



LECO N-TYPE Cell Technology



SMBB Half Cut Cell Technology



Bifacial Cell Module Technologies



Excellent Anti-PID Low LID Performance

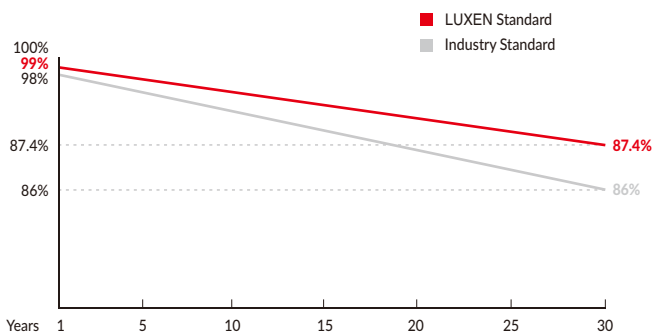


Less Hot Spot Shading Effects



Higher Power Output Lower BOS & LCOE

Linear Performance Warranty



* LUXEN TOPCon: Standard warranty 15 years, can be extended up to 20 years.

Insured By



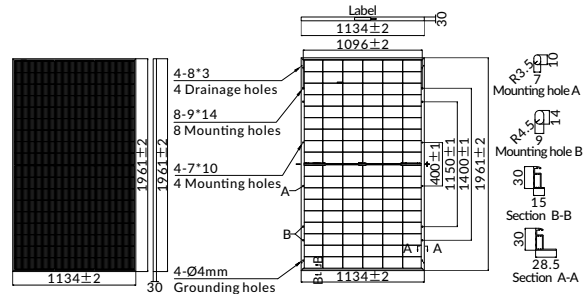
Comprehensive Certificates

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



MECHANICAL CHARACTERISTICS

Solar Cells	N-type Mono
No. of Cells	108 (6x18)
Dimensions	1961 x 1134 x 30mm
Weight	27.5kg
Front / Back Glass	2.0mm coated semi-tempered glass
Frame	Anodized aluminium alloy (reinforced high-load optional)
Junction Box	Ip68 rated (3 by pass diodes)
Output Cables	4.0mm ²
	1200mm (+) / 1200mm (-)
Connectors	Length can be customized
	Mc4 compatible
Mechanical load test	Front 5400Pa / Rear 2400Pa



ELECTRICAL PARAMETERS

POWER CLASS	LNDB-485ND		LNDB-490ND		LNDB-495ND		LNDB-500ND		LNDB-505ND	
	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)	39.33V	36.88V	39.55V	37.12V	39.78V	37.36V	40.00V	37.59V	40.22V	37.83V
Short Circuit Current (Isc)	15.66A	12.53A	15.72A	12.58A	15.78A	12.62A	15.84A	12.67A	15.90A	12.72A
Voltage at Maximum power (Vmpp)	32.90V	30.87V	33.11V	31.08V	33.31V	31.29V	33.51V	31.50V	33.71V	31.71V
Current Maximum Power (Impp)	14.74A	11.79A	14.80A	11.84A	14.86A	11.89A	14.92A	11.94A	14.98A	11.98A
MODULE EFFICIENCY (%)	21.81%		22.03%		22.26%		22.48%		22.71%	

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

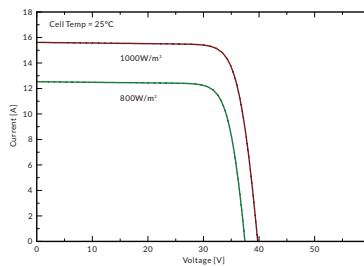
BIFACIAL OUTPUT-REAR SIDE POWER GAIN

		LNDB-485ND		LNDB-490ND		LNDB-495ND		LNDB-500ND		LNDB-505ND	
		STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
5%	Maximum power (Pmax)	509W		515W		520W		525W		530W	
	Module Efficiency STC (%)	22.90%		23.14%		23.37%		23.61%		23.84%	
15%	Maximum power (Pmax)	558W		564W		569W		575W		581W	
	Module Efficiency STC (%)	25.08%		25.34%		25.60%		25.86%		26.12%	
25%	Maximum Power (Pmax)	606W		613W		619W		625W		631W	
	Module Efficiency STC (%)	27.26%		27.54%		27.82%		28.11%		28.39%	

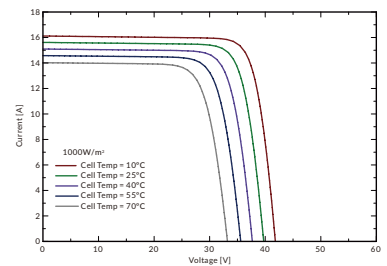
PACKING CONFIGURATION

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.