

LUXPOWER® SERIES **N**5



600-620W Mono BIFACIAL DG
132 Half-Cell Layout
G12R N-TOPCon Cell



LECO N-TOPCon Cell Technology



SMBB Half Cut Cell Technology



Bifacial Cell Module Technologies



Excellent Anti-PID Low LID Performance

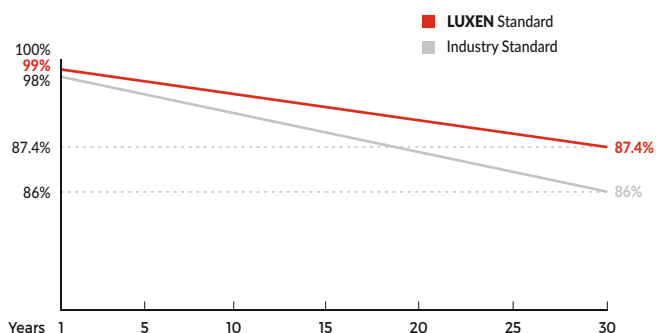


Less Hot Spot Shading Effects



Higher Power Output Lower BOS & LCOE

Linear Performance Warranty



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

Insured By

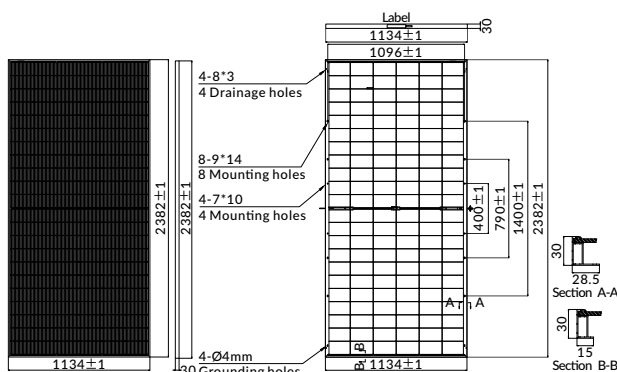


Comprehensive Certificates

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



Solar Cells	N-type Mono
No. of Cells	132 (6x22)
Dimensions	2382 x 1134 x 30mm
Weight	33.5kg
Front Glass	2.0mm coated semi-tempered glass
Back Glass	2.0mm semi-tempered glass
Junction Box	Ip68 rated (3 by pass diodes)
Output Cables	4.0mm ²
	280mm (+) / 350mm (-)
	Length can be customized
Connectors	Mc4 compatible
Mechanical load test	5400Pa



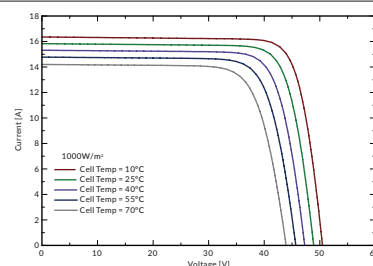
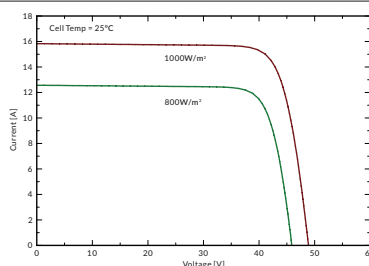
POWER CLASS	LNDT-600ND		LNDT-605ND		LNDT-610ND		LNDT-615ND		LNDT-620ND	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum power (Pmax)	600W	450W	605W	454W	610W	458W	615W	462W	620W	466W
Open Circuit Voltage (Voc)	48.57V	45.48V	48.75V	45.70V	48.94V	45.91V	49.13V	46.12V	49.32V	46.33V
Short Circuit Current (Isc)	15.68A	12.54A	15.74A	12.59A	15.80A	12.64A	15.86A	12.69A	15.92A	12.74A
Voltage at Maximum power (Vmpp)	40.65V	38.11V	40.82V	38.29V	40.99V	38.47V	41.16V	38.65V	41.33V	38.83V
Current Maximum Power (Impp)	14.76A	11.81A	14.82A	11.86A	14.88A	11.90A	14.94A	11.95A	15.00A	12.00A
MODULE EFFICIENCY (%)	22.21%		22.40%		22.58%		22.77%		22.95%	

BIFACIAL OUTPUT-REARSIDE POWER GAIN

5%	Maximum power (Pmax)	630W	635W	641W	646W	651W
	Module Efficiency STC (%)	23.32%	23.52%	23.71%	23.91%	24.10%
15%	Maximum power (Pmax)	690W	696W	702W	707W	713W
	Module Efficiency STC (%)	25.54%	25.76%	25.97%	26.18%	26.40%
25%	Maximum Power (Pmax)	750W	756W	763W	769W	775W
	Module Efficiency STC (%)	27.77%	28.00%	28.23%	28.46%	28.69%

LNDT-610ND/I-V

Container	40'HQ
Pieces per pallet	36
Pallets per container	16
Pieces per container	576



TEMPERATURE CHARACTERISTICS

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

