

LUXPOWER® SERIES **N**5



605-625W Mono BIFACIAL DG

132 Half-Cell Layout

G12R N-TYPE Cell



LECO N-TYPE Cell Technology



SMBB Half Cut Cell Technology



Bifacial Cell Module Technologies



Excellent Anti-PID Low LID Performance

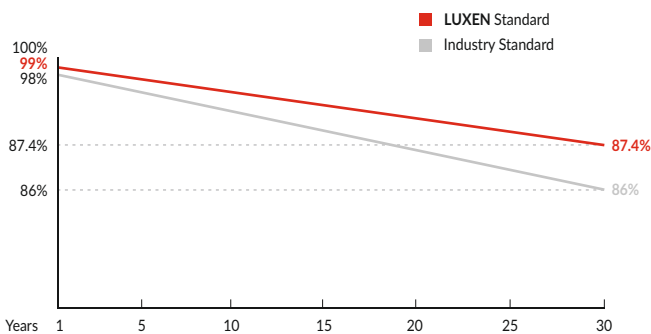


Less Hot Spot Shading Effects



Higher Power Output Lower BOS & LCOE

Linear Performance Warranty



Insured By



Comprehensive Certificates

- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC61215:2021 / IEC61730:2023 Standard Quality



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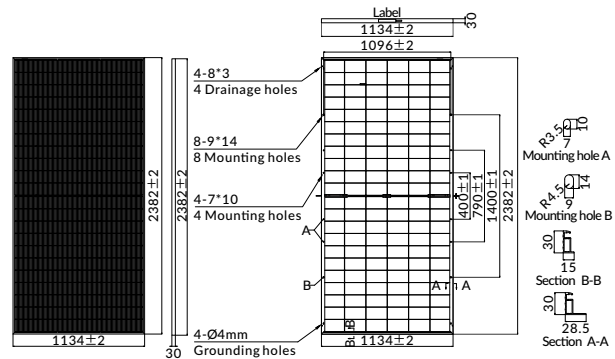
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Made in China

MECHANICAL CHARACTERISTICS

Solar Cells	N-TYPE Mono
No. of Cells	132 (6x22)
Dimensions	2382 x 1134 x 30mm
Weight	33.5kgs
Front/Black Glass	2.0mm coated semi-tempered glass
Frame	Anodized aluminium alloy (reinforced high-load optional)
Junction Box	Ip68 rated (3 by pass diodes)
	4.0mm ²
Output Cables	250mm (+) / 350mm (-)
	Length can be customized
Connectors	Jiangsu Tonglin Electric Co., Ltd TL-CABLE01S Pro
Mechanical load test	Front 5400Pa / Rear 2400Pa
PV Module Fire Class	Fire safety class according to UL790: Class A



ELECTRICAL PARAMETERS

POWER CLASS	LNDT-605ND		LNDT-610ND		LNDT-615ND		LNDT-620ND		LNDT-625ND	
	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI
Maximum power (Pmax)±3%	605W	670W	610W	676W	615W	681W	620W	687W	625W	693W
Open Circuit Voltage (Voc)±5%	48.75V	48.90V	48.94V	49.10V	49.13V	49.29V	49.32V	49.49V	49.50V	49.68V
Short Circuit Current (Isc)±5%	15.74A	17.38A	15.80A	17.44A	15.86A	17.51A	15.92A	17.58A	15.98A	17.64A
Voltage at Maximum power (Vmpp)	40.82V		40.99V		41.16V		41.33V		41.50V	
Current Maximum Power (Impp)	14.82A		14.88A		14.94A		15.00A		15.06A	
MODULE EFFICIENCY (%)	22.40%		22.58%		22.77%		22.95%		23.14%	

STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G BNPI: The front irradiance is 1000W/m², the back irradiance is 135W/m², cell temperature is 25°C, AM1.5G

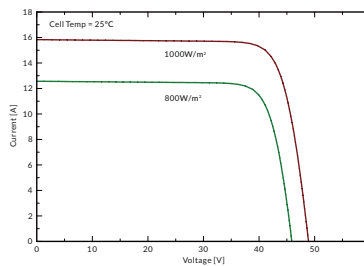
BIFACIAL OUTPUT-REARSIDE POWER GAIN

5%	Maximum power (Pmax)	635W	641W	646W	651W	656W
	Module Efficiency STC (%)	23.52%	23.71%	23.91%	24.10%	24.29%
15%	Maximum power (Pmax)	696W	702W	707W	713W	719W
	Module Efficiency STC (%)	25.76%	25.97%	26.18%	26.40%	26.61%
25%	Maximum Power (Pmax)	756W	763W	769W	775W	781W
	Module Efficiency STC (%)	28.00%	28.23%	28.46%	28.69%	28.92%

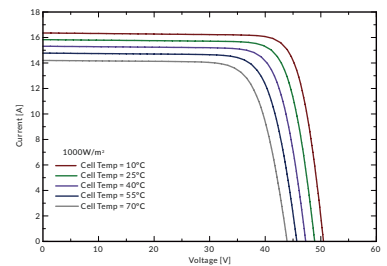
PACKING CONFIGURATION

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

I-V CURVE



LNDT-610ND/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 ~+3%

BIFACIALITY COEFFICIENT

φVoc / Tolerance ±5%	99%
φIsc / Tolerance ±10%	80%
φPmax / Tolerance ±10%	80%

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.