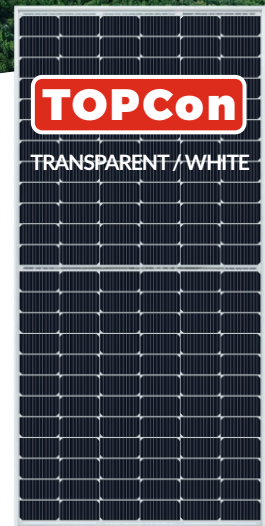


# LUXPOWER® SERIES N5



**570W Mono BIFACIAL DG**  
 144 Half-Cell Layout  
 M10 N-TOPCon Cell



LECO N-TOPCon Cell Technology



SMBB Half Cut Cell Technology



Bifacial Cell Module Technologies



Excellent Anti-PID Low LID Performance

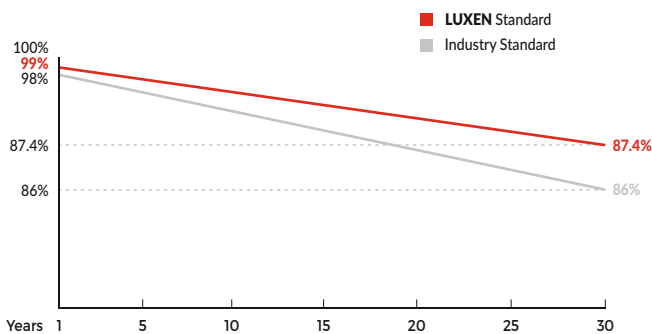


Less Hot Spot Shading Effects



Higher Power Output Lower BOS & LCOE

## Linear performance Warranty



## 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.

Manufacturer: A301, Zhongyi Building, No.59 Wuzhong Avenue, Wuzhong District, Suzhou, 215168, China

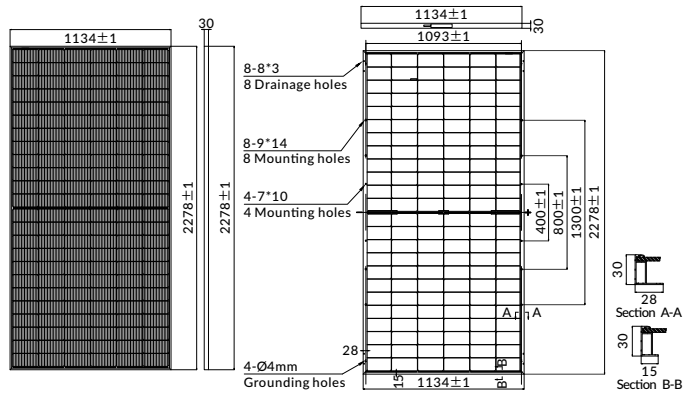
Factory: No.1 Haiyue Road, Suxitong Industrial Park, Nantong, 226000, China

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**MECHANICAL CHARACTERISTICS**

Solar Cells	N-type Mono
No. of Cells	144 (6x24)
Dimensions	2278 x 1134 x 30mm
Weight	31.5kg
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 <sup>2</sup> 300mm (+) / 300mm (-) Length can be customized
Connectors	Mc4 compatible
Mechanical load test	5400Pa



**ELECTRICAL PARAMETERS**

POWER CLASS	LNVU-570ND	
	STC	NMOT
Maximum power (Pmax)	570W	429W
Open Circuit Voltage (Voc)	51.41V	48.69V
Short Circuit Current (Isc)	14.15A	11.41A
Voltage at Maximum power (Vmpp)	42.41V	39.36V
Current Maximum Power (Impp)	13.44A	10.90A
MODULE EFFICIENCY (%)	22.10%	

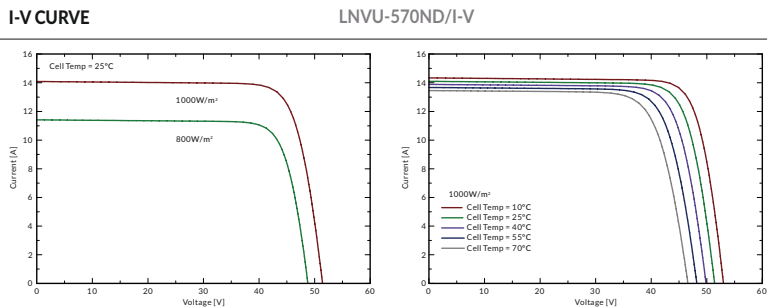
STC: Irradiance 1000W/m<sup>2</sup>, cell temperature 25°C, AM1.5G      NMOT: Irradiance 800W/m<sup>2</sup>, ambient temperature 20°C, wind speed 1m/s, AM1.5G

**BIFACIAL OUTPUT-REAR SIDE POWER GAIN**

5%	Maximum power (Pmax)	599W
	Module Efficiency STC (%)	23.17%
15%	Maximum power (Pmax)	656W
	Module Efficiency STC (%)	25.37%
25%	Maximum Power (Pmax)	713W
	Module Efficiency STC (%)	27.58%

**PACKING CONFIGURATION**

	20'GP	40'HQ
Container		
Pieces per pallet	36	36
Pallets per container	5	20
Pieces per container	180	720



**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.