

# LUXPOWER® SERIES **N**6



## 670-690W Mono BIFACIAL DG

### 132 Half-Cell Layout

### M12/210mm N-TOPCon Cell



N-TOPCon Cell Technology



SMBB Half Cut Cell Technology



Bifacial Cell Module Technologies



Excellent Anti-PID Low LID Performance

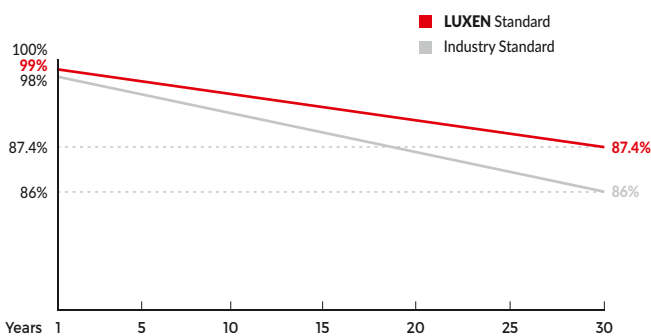


Less Hot Spot Shading Effects



Higher Power Output Lower BOS & LCOE

### Linear performance Warranty



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

### Comprehensive Certificates

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



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

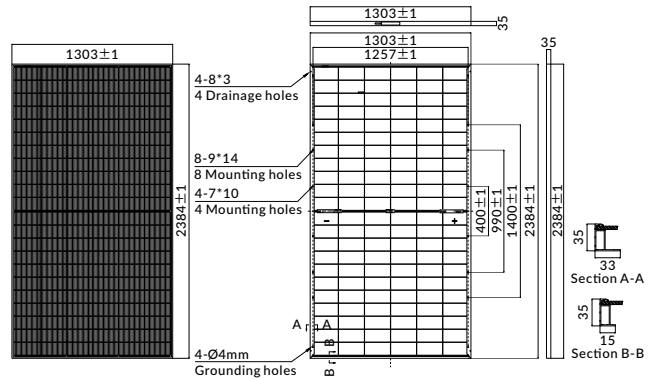
Factory: No.1 Haiyue Road, Suxitong Industrial Park, Nantong, 226000, China

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**MECHANICAL CHARACTERISTICS**

Solar Cells	N-type Mono
No. of Cells	132 (6x22)
Dimensions	2384 x 1303 x 35mm
Weight	38.5kg
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	LNET-670ND	LNET-675ND	LNET-680ND	LNET-685ND	LNET-690ND
	STC	STC	STC	STC	STC
Maximum power (Pmax)	670W	675W	680W	685W	690W
Open Circuit Voltage (Voc)	47.43V	47.63V	47.83V	48.02V	48.22V
Short Circuit Current (Isc)	18.10A	18.14A	18.18A	18.22A	18.26A
Voltage at Maximum power (Vmpp)	39.11V	39.34V	39.56V	39.78V	40.00V
Current Maximum Power (Impp)	17.13A	17.16A	17.19A	17.22A	17.25A
MODULE EFFICIENCY (%)	21.57%	21.73%	21.89%	22.05%	22.21%

STC: Irradiance 1000W/m<sup>2</sup>, cell temperature 25°C, AM1.5G

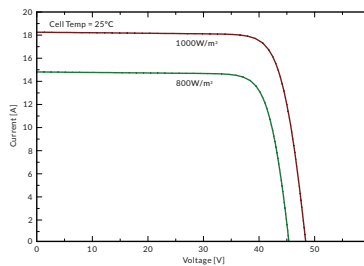
**BIFACIAL OUTPUT-REAR SIDE POWER GAIN**

		LNET-670ND	LNET-675ND	LNET-680ND	LNET-685ND	LNET-690ND
5%	Maximum power (Pmax)	704W	709W	714W	719W	725W
	Module Efficiency STC (%)	22.65%	22.82%	22.99%	23.15%	23.32%
15%	Maximum power (Pmax)	771W	776W	782W	788W	794W
	Module Efficiency STC (%)	24.80%	24.99%	25.17%	25.36%	25.54%
25%	Maximum Power (Pmax)	838W	844W	850W	856W	863W
	Module Efficiency STC (%)	26.96%	27.16%	27.36%	27.56%	27.77%

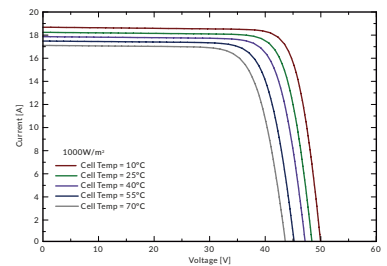
**PACKING CONFIGURATION**

Container	40'HQ
Pieces per pallet	32
Pallets per container	18
Pieces per container	576

**I-V CURVE**



**LNET-690ND/1-V**



**OPERATING CHARACTERISTICS**

Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	1500 DC (IEC)
Maximum Series Fuse Rating	35A
Power Tolerance	0/+5W

**TEMPERATURE CHARACTERISTICS**

Nominal Operating Temperature (NMOT)	45±2°C
Temperature Coefficient of Pmax	-0.30%/°C
Temperature Coefficient of Voc	-0.24%/°C
Temperature Coefficient of Isc	+0.04%/°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.