LUXEN SOLAR

Quality Maker

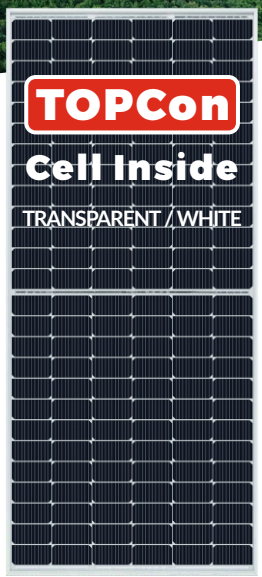
LUXPOWER® SERIES N5

Tier 1 BloombergNEF | 30 years POWER WARRANTY | 12 years PRODUCT WARRANTY

605-625W Mono Transparent Backsheet

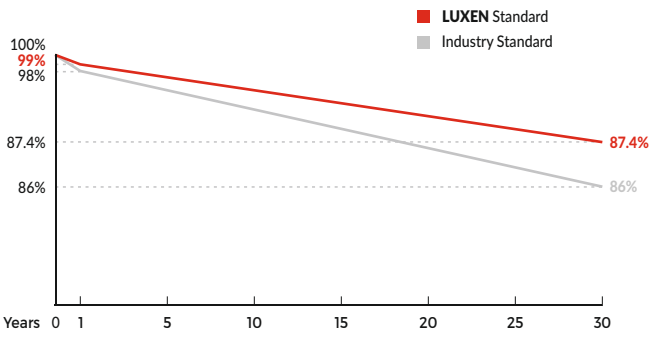
156 Half-Cell Layout

M10/182mm 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



Comprehensive Certificates

- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC61215/IEC61730 Standard quality

LUXEN SOLAR ENERGY CO., LTD.
Suzhou: A301,Zhongyi Building,Suzhou,Jiangsu,215168,China
Nantong: No.1,Haiyue Road,Nantong,Jiangsu,226000,China
T: +86 512 6708 1572 **I F:** +86 512 6708 1570 **I** sales@luxensolar.com

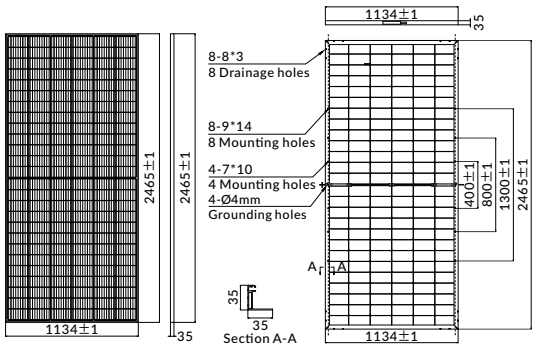
www.luxensolar.com

LUXPOWER® Mono I 605 - 625W TRANSPARENT BACKSHEET

Quality Maker

MECHANICAL CHARACTERISTICS

Solar Cells		N-type Mono
No. of Cells		156 (6x26)
Dimensions		2465 x 1134 x 35mm
Weight		30.0kgs
Front Glass		3.2mm coated tempered glass
Frame		Anodized aluminium alloy
Junction Box		Ip68 rated (3 by pass diodes)
Output Cables		4.0mm²
		300mm (+) / 300mm (-)
		Length can be customized
Connectors		Mc4 compatible
Mechanical load test		5400Pa



ELECTRICAL PARAMETERS

POWER CLASS		LNVH-605NB	LNVH-610NB	LNVH-615NB	LNVH-620NB	LNVH-625NB
		STC	STC	STC	STC	STC
Maximum power (Pmax)		605W	610W	615W	620W	625W
Open Circuit Voltage (Voc)		55.10V	55.25V	55.40V	55.55V	55.70V
Short Circuit Current (Isc)		14.03A	14.10A	14.17A	14.24A	14.31A
Voltage at Maximum power (Vmpp)		45.59V	45.73V	45.86V	45.99V	46.13V
Current Maximum Power (Impp)		13.27A	13.34A	13.41A	13.48A	13.55A
MODULE EFFICIENCY (%)		21.64%	21.82%	22.00%	22.18%	22.36%

STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G

BIFACIAL OUTPUT-REARSIDE POWER GAIN

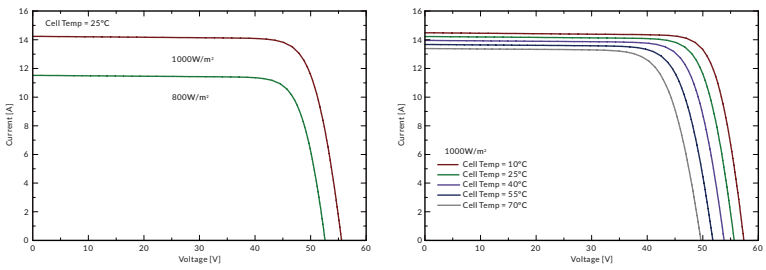
5%	Maximum power (Pmax)	635W	641W	646W	651W	656W
	Module Efficiency STC (%)	22.73%	22.91%	23.10%	23.29%	23.48%
15%	Maximum power (Pmax)	696W	702W	707W	713W	719W
	Module Efficiency STC (%)	24.89%	25.10%	25.30%	25.51%	25.71%
25%	Maximum Power (Pmax)	756W	763W	769W	775W	781W
	Module Efficiency STC (%)	27.05%	27.28%	27.50%	27.73%	27.95%

PACKING CONFIGURATION

Container	20'GP	40'HQ
Pieces per pallet	31	31
Pallets per container	4	16
Pieces per container	124	496

I-V CURVE

LNVH-620NB/I-V



OPERATING CHARACTERISTICS

Operating Module Temperature	-40°C to +85°C
Maximun System Voltage	1500 DC (IEC)
Maximun 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: Due to continuous technical innovation, R&D and improvement ,technical data above mentioned may be of modification accordingly. LUXEN SOLAR have the sole right to make such modification at anytime without further notice.

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