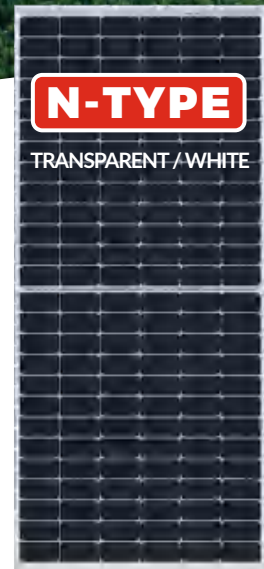


LUXPOWER® SERIES **N**5

620-640W Mono BIFACIAL DG

156 Half-Cell Layout

M10 N-TYPE Cell



LECO N-TYPE Cell Technology



SMBB Half Cut Cell Technology



Bifacial Cell Module Technologies



Excellent Anti-PID Low LID Performance

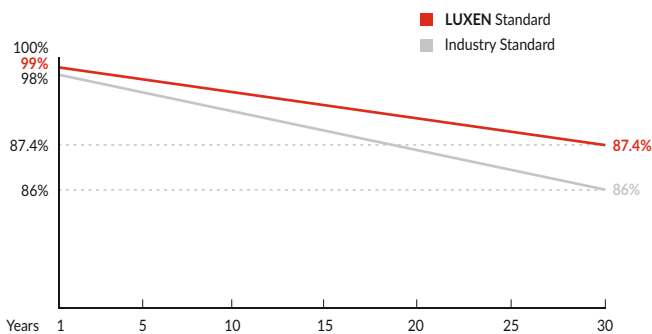


Less Hot Spot Shading Effects



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



LUXEN SOLAR ENERGY CO., LTD.

Manufacturer add: A301, Building 6, Zhongyi Tower, No.59, Wuzhong Avenue, Wuzhong District, Suzhou City, Jiangsu Province, P.R.China

Factory add: No.1 Haiyue Road, Suxitong Technologies & Industries Park, Nantong City, Jiangsu Province, P.R.China

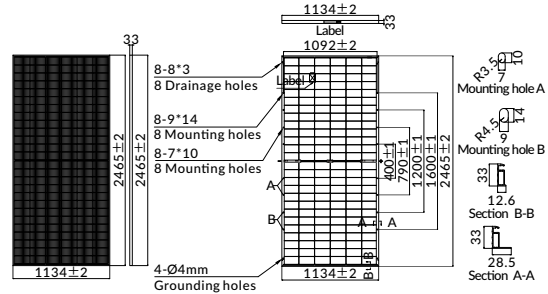
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www.luxensolar.com

Made in China

MECHANICAL CHARACTERISTICS

Solar Cells	N-TYPE Mono
No. of Cells	156 (6x26)
Dimensions	2465 x 1134 x 33mm
Weight	34.8kgs
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	LNVH-620ND		LNVH-625ND		LNVH-630ND		LNVH-635ND		LNVH-640ND	
	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI
Maximum power (Pmax)±3%	620W	687W	625W	693W	630W	698W	635W	704W	640W	709W
Open Circuit Voltage (Voc)±5%	55.64V	56.02V	55.75V	56.17V	55.87V	56.32V	55.98V	56.46V	56.09V	56.61V
Short Circuit Current (Isc)±5%	14.18A	15.65A	14.25A	15.73A	14.32A	15.81A	14.39A	15.89A	14.46A	15.96A
Voltage at Maximum power (Vmpp)	46.03V		46.16V		46.29V		46.42V		46.55V	
Current Maximum Power (Impp)	13.47A		13.54A		13.61A		13.68A		13.75A	
MODULE EFFICIENCY (%)	22.18%		22.36%		22.54%		22.72%		22.90%	

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

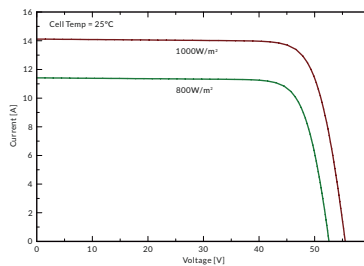
BIFACIAL OUTPUT-REAR SIDE POWER GAIN

		LNVH-620ND		LNVH-625ND		LNVH-630ND		LNVH-635ND		LNVH-640ND	
		STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI
5%	Maximum power (Pmax)	651W		656W		662W		667W		672W	
	Module Efficiency STC (%)	23.29%		23.48%		23.66%		23.85%		24.04%	
15%	Maximum power (Pmax)	713W		719W		725W		730W		736W	
	Module Efficiency STC (%)	25.51%		25.71%		25.92%		26.12%		26.33%	
25%	Maximum Power (Pmax)	775W		781W		788W		794W		800W	
	Module Efficiency STC (%)	27.73%		27.95%		28.17%		28.40%		28.62%	

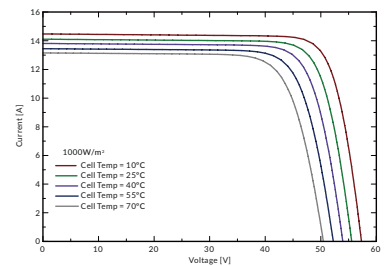
PACKING CONFIGURATION

Container	40'HQ
Pieces per pallet	33
Pallets per container	16
Pieces per container	528

I-V CURVE



LNVH-620ND/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.