SYLVANIA Solar+ | by LUXEN SOLAR

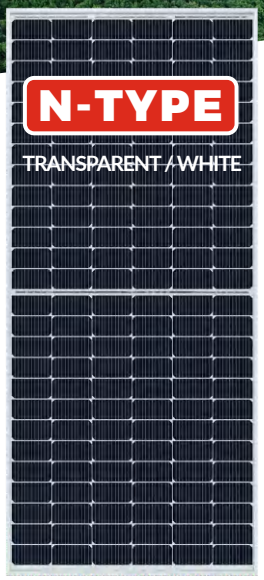
LUXPOWER® SERIES N5

Tier 1 BloombergNEF | 30 years POWER WARRANTY | *Up to 20 years PRODUCT WARRANTY

620-640W Mono BIFACIAL DG

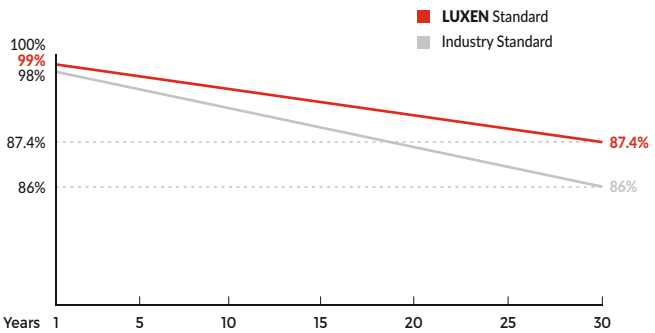
156 Half-Cell Layout

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



* LUXEN N-TYPE: Standard warranty 15 years, can be extended up to 20 years.

Insured By

China Continent Insurance | Ariel Re | LLOYD'S Underwriters | PICC

Comprehensive Cerfica tes

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

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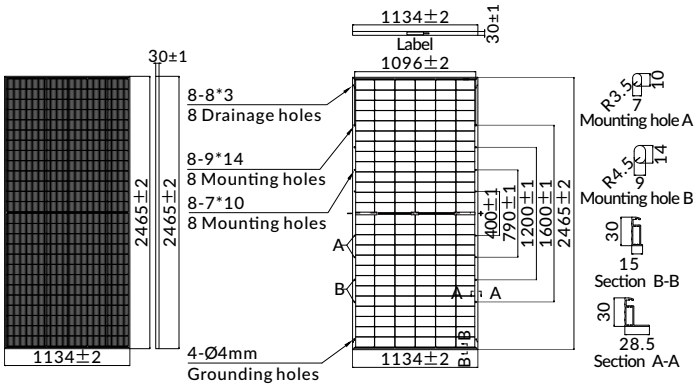
LUXPOWER® Mono I 620 - 640W BIFACIAL DG

Quality Maker

MECHANICAL CHARACTERISTICS

Solar Cells		N-type Mono
No. of Cells		156 (6x26)
Dimensions		2465 x 1134 x 30mm
Weight		34.5kg
Front / Back Glass		2.0mm coated semi-tempered glass
Frame		Anodized aluminium alloy (reinforced high-load optional)
Juncon B ox		Ip68 rated (3 by pass diodes)
Output Cables	4.0mm²	
	250mm (+) / 350mm (-)	
	Length can be customized	
Connectors		Mc4 compatible
Mechanical load test		Front 5400Pa / Rear 2400Pa



ELECTRICAL PARAMETERS

POWER CLASS	LNVH-620ND		LNVH-625ND		LNVH-630ND		LNVH-635ND		LNVH-640ND	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum power (Pmax)	620W	467W	625W	471W	630W	475W	635W	479W	640W	483W
Open Circuit Voltage (Voc)	55.64V	52.67V	55.75V	52.78V	55.87V	52.89V	55.98V	52.99V	56.09V	53.10V
Short Circuit Current (Isc)	14.18A	11.44A	14.25A	11.50A	14.32A	11.56A	14.39A	11.62A	14.46A	11.68A
Voltage at Maximum power (Vmpp)	46.03V	42.73V	46.16V	42.86V	46.29V	42.99V	46.42V	43.11V	46.55V	43.24V
Current Maximum Power (Impp)	13.47A	10.93A	13.54A	10.99A	13.61A	11.05A	13.68A	11.11A	13.75A	11.17A
MODULE EFFICIENCY (%)	22.18%		22.36%		22.54%		22.72%		22.90%	

STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G **NMOT:** Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s, AM1.5G

BIFACIAL OUTPUT-REARSIDE POWER GAIN

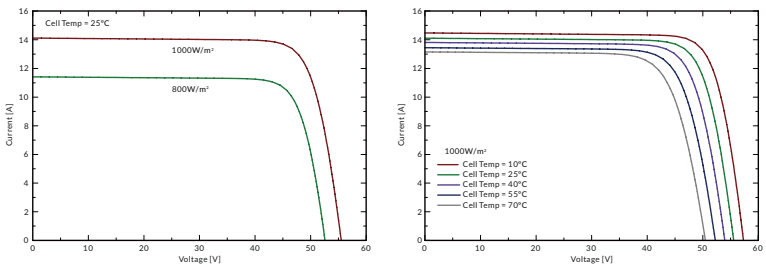
5%	Maximum power (Pmax)	651W	656W	662W	667W	672W
	Module Efficiency STC (%)	23.29%	23.48%	23.66%	23.85%	24.04%
15%	Maximum power (Pmax)	713W	719W	725W	730W	736W
	Module Efficiency STC (%)	25.51%	25.71%	25.92%	26.12%	26.33%
25%	Maximum Power (Pmax)	775W	781W	788W	794W	800W
	Module Efficiency STC (%)	27.73%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

PACKING CONFIGURATION

Container	40'HQ
Pieces per pallet	37
Pallets per container	20
Pieces per container	740

I-V CURVE

LNVH-620ND/I-V



OPERATING CHARACTERISTICS

Operang M odule Temperature	-40°C to +85°C
Maximum System Voltage	1500 DC (IEC)
Maximum Series Fuse Rang	30A
Power Tolerance	0/+5W

TEMPERATURE CHARACTERISTICS

Nominal Operang 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 technical parameters included in this datasheet may have minor deviaons, and L uxen does not guarantee absolute accuracy. Due to ongoing product innovaon and enhanc ements, Luxen reserves the right to modify the informaon in this manual at an y me without prior noc e. Customers should obtain the latest version of the technical manual when signing the contract, and it shall be considered an integral part of the binding contract between the pares. Please no te that qualified professionals should handle and install solar modules to ensure opmal module performance.

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