

LUXNERI® SERIES **N**5



415-435W Mono FULL BLACK

108 Half-Cell Layout
M10 N-TOPCon Cell



LECO N-TOPCon Cell Technology



Full Black Appearance for Aesthetic Effect



SMBB Half Cut Cell Technology



Excellent Anti-PID Low LID Performance

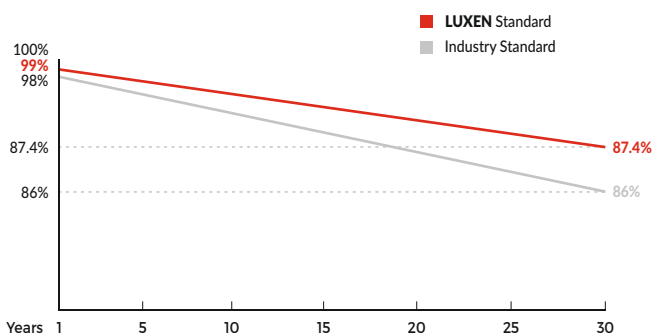


Less Hot Spot Shading Effects



Higher Power Output Lower BOS & LCOE

Linear Performance Warranty



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

Insured By



Comprehensive Certificates

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



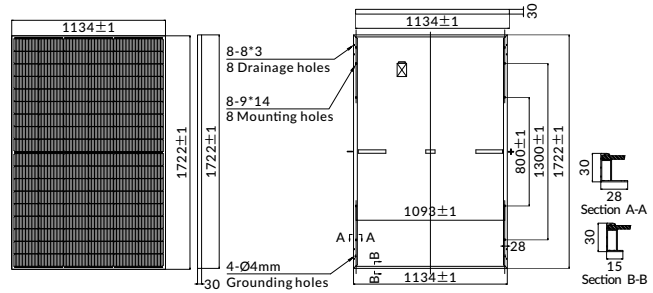
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MECHANICAL CHARACTERISTICS

Solar Cells	N-type Mono
No. of Cells	108 (6x18)
Dimensions	1722 x 1134 x 30mm
Weight	20.5kg
Front Glass	3.2mm coated tempered glass
Frame	Anodized aluminium alloy
Junction Box	Ip68 rated (3 by pass diodes)
Output Cables	4.0mm ² 300mm (+) / 300mm (-) Length can be customized
Connectors	Mc4 compatible
Mechanical load test	5400Pa



ELECTRICAL PARAMETERS

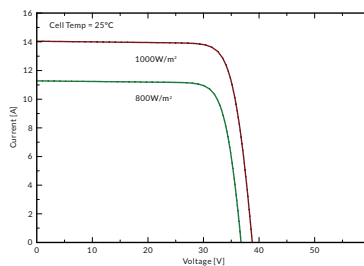
POWER CLASS	LNVB-415N		LNVB-420N		LNVB-425N		LNVB-430N		LNVB-435N	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum power (Pmax)	415W	311W	420W	315W	425W	319W	430W	323W	435W	327W
Open Circuit Voltage (Voc)	38.34V	36.54V	38.57V	36.74V	38.81V	36.95V	39.04V	37.15V	39.27V	37.35V
Short Circuit Current (Isc)	13.89A	11.18A	13.96A	11.24A	14.03A	11.30A	14.10A	11.36A	14.17A	11.42A
Voltage at Maximum power (Vmpp)	32.02V	29.45V	32.23V	29.66V	32.44V	29.87V	32.65V	30.07V	32.85V	30.28V
Current Maximum Power (Impp)	12.96A	10.56A	13.03A	10.62A	13.10A	10.68A	13.17A	10.74A	13.24A	10.80A
MODULE EFFICIENCY (%)	21.25%		21.51%		21.76%		22.02%		22.28%	

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

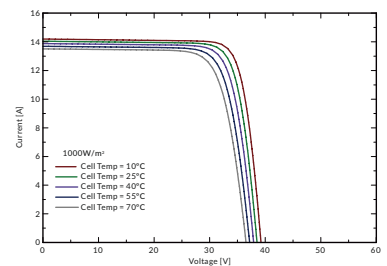
PACKING CONFIGURATION

Container	20'GP	40'HQ
Pieces per pallet	36	36
Pallets per container	6	26
Pieces per container	216	936

I-V CURVE



LNVB-425N/I-V



OPERATING CHARACTERISTICS

Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	1500 DC (IEC)
Maximum Series Fuse Rating	25A
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.