

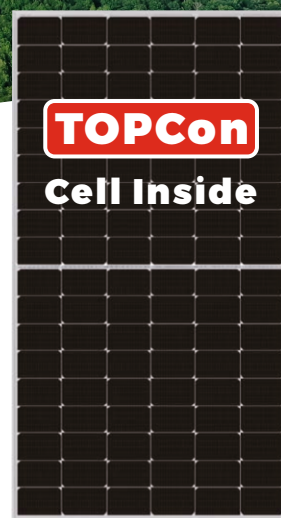
LUXPOWER® SERIES **N**5



415-435W Mono

108 Half-Cell Layout

M10/182mm N-TOPCon Cell



N-TOPCon Cell Technology



Half Cut Cell Technology



SMBB Technology



Excellent Anti-PID Low LID Performance

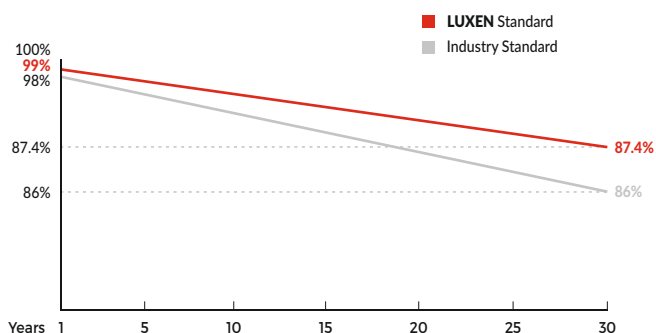


Less Hot Spot Shading Effects



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.

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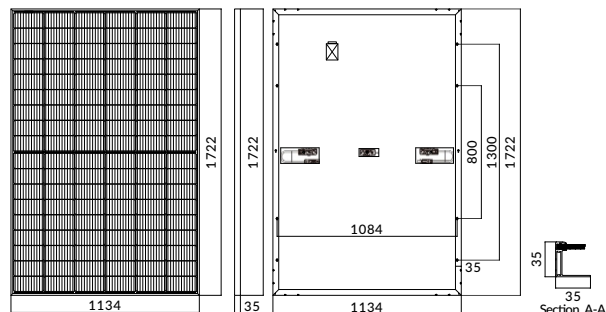
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MECHANICAL CHARACTERISTICS

Solar Cells	N-type Mono
No. of Cells	108 (6x18)
Dimensions	1722 x 1134 x 35mm
Weight	21.0kgs
Front Glass	3.2mm coated tempered glass
Frame	Anodized aluminium alloy
Junction Box	Ip68 rated (3 by pass diodes)
	4.0mm ²
Output Cables	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%	

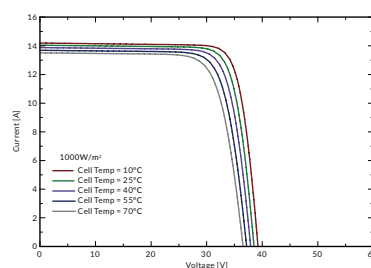
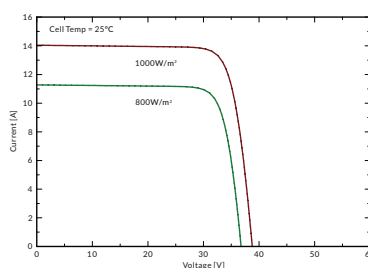
STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5GNMOT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s, AM1.5G

PACKING CONFIGURATION

Container	20'GP	40'HQ
Pieces per pallet	31	31
Pallets per container	6	26
Pieces per container	186	806

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	-0.30%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	+0.046%/°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.