

LUXNERI® SERIES **N5**

410-430W Mono FULL BLACK

108 Half-Cell Layout

M10/182mm N-TOPCon Cell



TOPCon
Cell Inside



N-TOPCon Cell Technology



Full Black Appearance for Aesthetic Effect



SMBB Half Cut Cell Technology



Excellent Anti-PID Low LID Performance

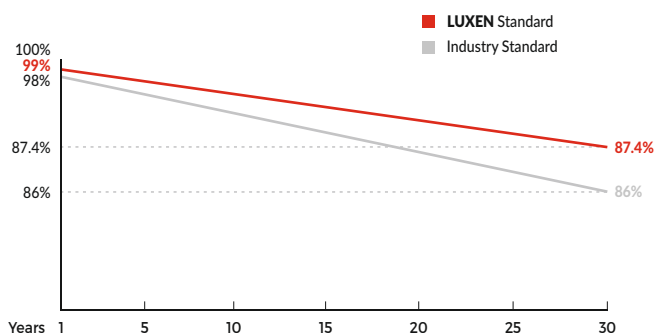


Less Hot Spot Shading Effects



Higher Power Output Lower BOS & LCOE

Linear performance Warranty



Comprehensive Certificates

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



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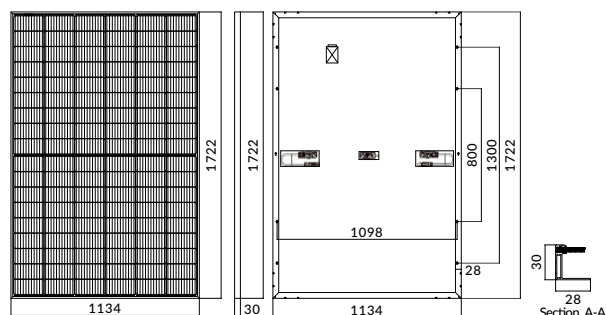
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MECHANICAL CHARACTERISTICS

Solar Cells	N-type Mono
No. of Cells	108 (6x18)
Dimensions	1722 x 1134 x 30mm
Weight	20.5kgs
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-410N		LNVB-415N		LNVB-420N		LNVB-425N		LNVB-430N	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum power (Pmax)	410W	307W	415W	311W	420W	315W	425W	319W	430W	323W
Open Circuit Voltage (Voc)	38.10V	36.33V	38.34V	36.54V	38.57V	36.74V	38.81V	36.95V	39.04V	37.15V
Short Circuit Current (Isc)	13.82A	11.12A	13.89A	11.18A	13.96A	11.24A	14.03A	11.30A	14.10A	11.36A
Voltage at Maximum power (Vmpp)	31.81V	29.24V	32.02V	29.45V	32.23V	29.66V	32.44V	29.87V	32.65V	30.07V
Current Maximum Power (Impp)	12.89A	10.50A	12.96A	10.56A	13.03A	10.62A	13.10A	10.68A	13.17A	10.74A
MODULE EFFICIENCY (%)	21.00%		21.25%		21.51%		21.76%		22.02%	

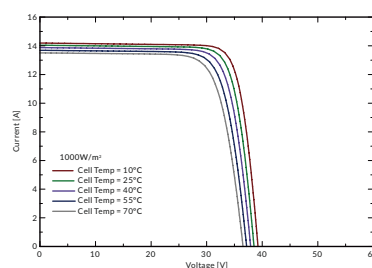
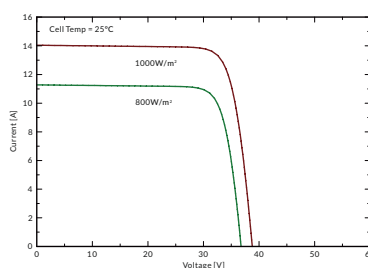
STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5GNMOT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s, AM1.5G

PACKING CONFIGURATION

Container	20'GP	40'HQ
Pieces per pallet	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	-0.30%/°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.