

# LUXPOWER® SERIES **N**5



## 510-530W Mono

132 Half-Cell Layout  
M10/182mm N-TOPCon Cell



N-TOPCon Cell Technology



Half Cut Cell Technology



SMBB Technology



Excellent Anti-PID Low LID Performance

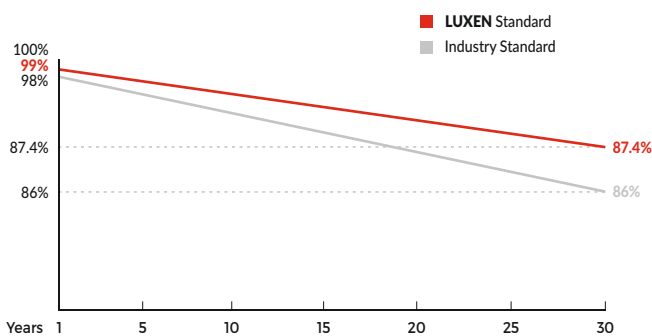


Less Hot Spot Shading Effects



Higher Power Output Lower BOS & LCOE

### Linear performance Warranty



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

### Comprehensive Certificates

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



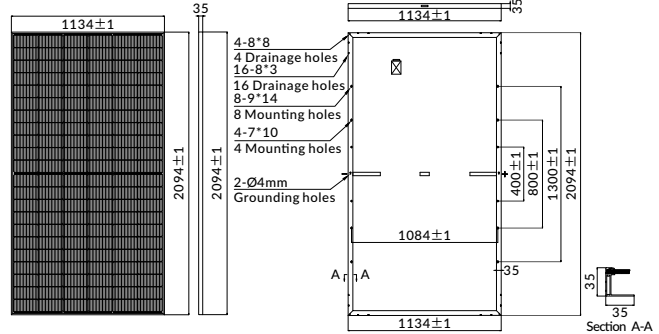
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MECHANICAL CHARACTERISTICS

Solar Cells	N-type Mono
No. of Cells	132 (6x22)
Dimensions	2094 x 1134 x 35mm
Weight	25.5kg
Front Glass	3.2mm coated tempered glass
Frame	Anodized aluminium alloy
Junction Box	Ip68 rated (3 by pass diodes)
	4.0mm <sup>2</sup>
Output Cables	300mm (+) / 300mm (-)
	Length can be customized
Connectors	Mc4 compatible
Mechanical load test	5400Pa



ELECTRICAL PARAMETERS

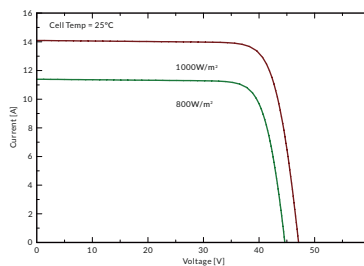
POWER CLASS	LNVT-510N		LNVT-515N		LNVT-520N		LNVT-525N		LNVT-530N	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum power (Pmax)	510W	383W	515W	387W	520W	391W	525W	395W	530W	399W
Open Circuit Voltage (Voc)	46.64V	44.41V	46.84V	44.58V	47.03V	44.74V	47.22V	44.90V	47.41V	45.05V
Short Circuit Current (Isc)	14.00A	11.28A	14.07A	11.34A	14.14A	11.40A	14.21A	11.46A	14.28A	11.52A
Voltage at Maximum power (Vmpp)	39.02V	35.93V	39.19V	36.10V	39.36V	36.27V	39.53V	36.44V	39.70V	36.61V
Current Maximum Power (Impp)	13.07A	10.66A	13.14A	10.72A	13.21A	10.78A	13.28A	10.84A	13.35A	10.90A
MODULE EFFICIENCY (%)	21.48%		21.69%		21.90%		22.11%		22.32%	

STC: Irradiance 1000W/m<sup>2</sup>, cell temperature 25°C, AM1.5G    NMOT: Irradiance 800W/m<sup>2</sup>, ambient temperature 20°C, wind speed 1m/s, AM1.5G

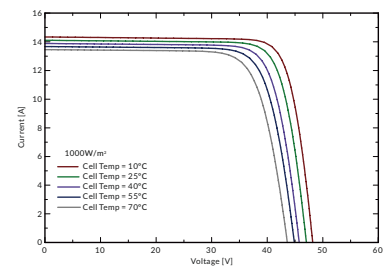
PACKING CONFIGURATION

Container	20'GP	40'HQ
Pieces per pallet	31	31
Pallets per container	5	22
Pieces per container	155	682

I-V CURVE



LNVT-520N/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.