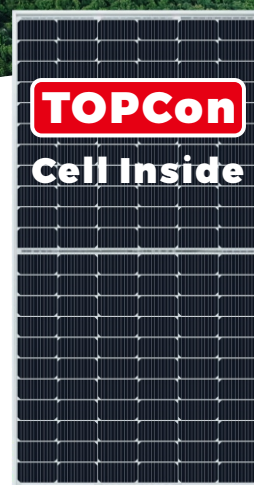


LUXPOWER® SERIES N5

505-525W Mono

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

Equipped with TOPCon cell technology, which has the characteristics of low composite metallization, laminated film passivation, ultra-low composite emitter, high-quality N-type substrate, ultra-low composite heterogeneous back surface field, "zero" light attenuation, etc. , which can make it have the advantages of higher efficiency and bifacial ratio, better power temperature coefficient and lower module operating temperature, better anti-light decay performance and low-light power generation performance.



N-TOPCon Cell Technology



Half Cut Cell Technology



SMBB Technology



Excellent Anti-PID Low LID Performance

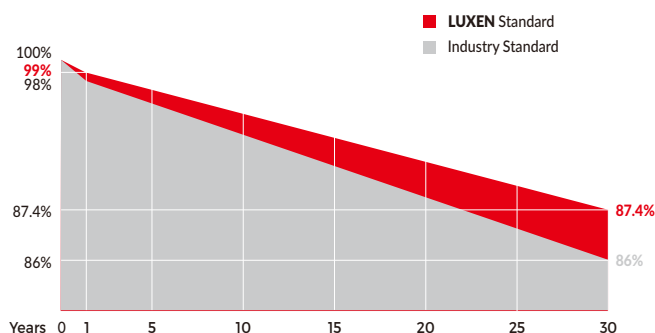


Less Hot Spot Shading Effects



Higher Power Output Lower BOS & LCOE

Linear performance Warranty



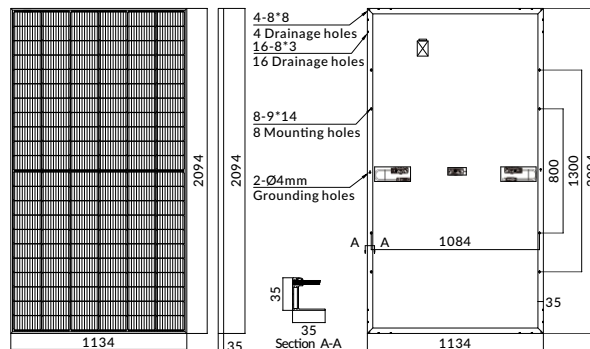
Comprehensive Certificates

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



MECHANICAL CHARACTERISTICS

Solar Cells	Mono
No. of Cells	132 (6x22)
Dimensions	2094 x 1134 x 35mm
Weight	25.5kgs
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 (+) / 400mm (-)
	Length can be customized
Connectors	Mc4 compatible
Mechanical load test	5400Pa



ELECTRICAL PARAMETERS

POWER CLASS	LNVT-505M		LNVT-510M		LNVT-515M		LNVT-520M		LNVT-525M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power (Pmax)	505W	379W	510W	383W	515W	387W	520W	391W	525W	395W
Open Circuit Voltage (Voc)	46.45V	44.25V	46.64V	44.41V	46.84V	44.58V	47.03V	44.74V	47.22V	44.90V
Short Circuit Current (Isc)	13.93A	11.22A	14.00A	11.28A	14.07A	11.34A	14.14A	11.40A	14.21A	11.46A
Voltage at Maximum power (Vmpp)	38.85V	35.75V	39.02V	39.16V	39.19V	36.10V	39.36V	36.27V	39.53V	36.44V
Current Maximum Power (Impp)	13.00A	10.60A	13.07A	9.78A	13.14A	10.72A	13.21A	10.78A	13.28A	10.84A
MODULE EFFICIENCY (%)	21.27%		21.48%		21.69%		21.90%		22.11%	

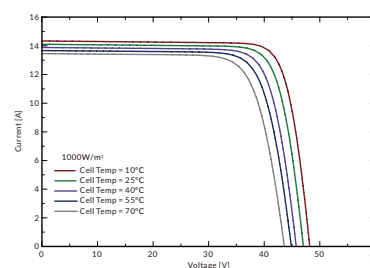
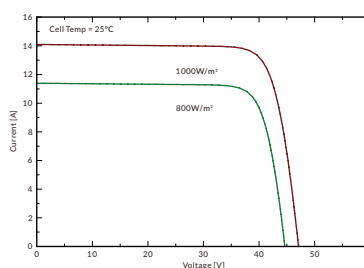
STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5GNOCT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s, AM1.5G

PACKING CONFIGURATION

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

I-V CURVE

LNVT-520M/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 (Noct)	45±2°C
Temperature Coefficient of Pmax	-0.36%/°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Isc	+0.05%/°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.