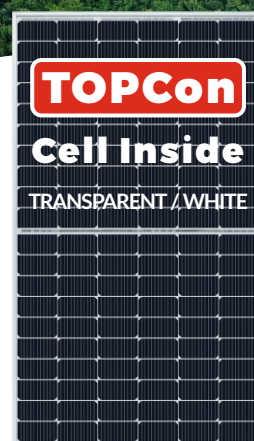


LUXPOWER® SERIES **N**5



460-480W Mono Transparent Backsheet
120 Half-Cell Layout
M10/182mm N-TOPCon Cell



N-TOPCon Cell Technology



SMBB Half Cut Cell Technology



Bifacial Cell Module Technologies



Excellent Anti-PID Low LID Performance

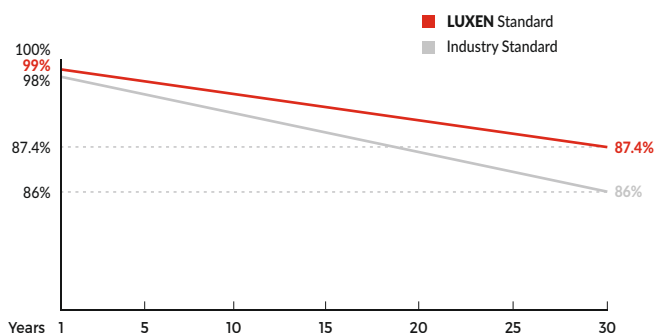


Less Hot Spot Shading Effects



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.

Suzhou: A301, Zhongyi Building, Suzhou, Jiangsu, 215168, China

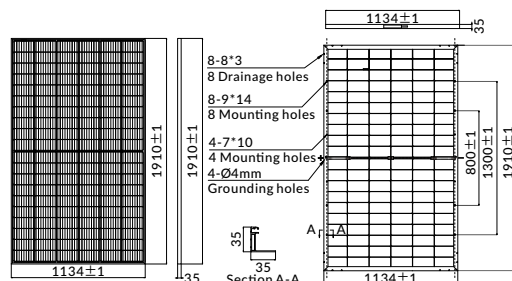
Nantong: No.1, Haiyue Road, Nantong, Jiangsu, 226000, China

T: +86 512 6708 1572 | F: +86 512 6708 1570 | sales@luxensolar.com

www.luxensolar.com

MECHANICAL CHARACTERISTICS

Solar Cells	N-type Mono
No. of Cells	120 (6x20)
Dimensions	1910 x 1134 x 35mm
Weight	23.0kgs
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	LNVK-460NB	LNVK-465NB	LNVK-470NB	LNVK-475NB	LNVK-480NB
	STC	STC	STC	STC	STC
Maximum power (Pmax)	460W	465W	470W	475W	480W
Open Circuit Voltage (Voc)	42.42V	42.63V	42.85V	43.06V	43.27V
Short Circuit Current (Isc)	13.91A	13.98A	14.05A	14.12A	14.19A
Voltage at Maximum power (Vmpp)	35.44V	35.63V	35.82V	36.01V	36.20V
Current Maximum Power (Impp)	12.98A	13.05A	13.12A	13.19A	13.26A
MODULE EFFICIENCY (%)	21.24%	21.47%	21.70%	21.93%	22.16%

STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G

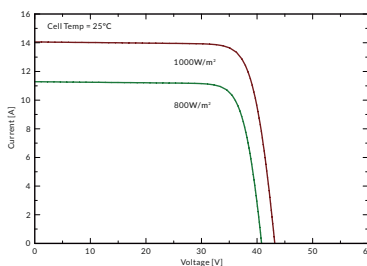
BIFACIAL OUTPUT-REAR SIDE POWER GAIN

5%	Maximum power (Pmax)	483W	488W	494W	499W	504W
	Module Efficiency STC (%)	22.30%	22.54%	22.78%	23.03%	23.27%
15%	Maximum power (Pmax)	529W	535W	541W	546W	552W
	Module Efficiency STC (%)	24.42%	24.69%	24.95%	25.22%	25.49%
25%	Maximum Power (Pmax)	575W	581W	588W	594W	600W
	Module Efficiency STC (%)	26.55%	26.84%	27.12%	27.41%	27.70%

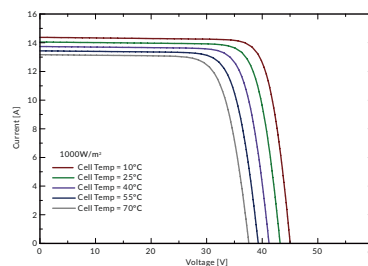
PACKING CONFIGURATION

Container	20'GP	40'HQ
Pieces per pallet	31	31
Pallets per container	6	24
Pieces per container	186	744

I-V CURVE



LNVK-475NB/I-V



OPERATING CHARACTERISTICS

Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	1500 DC (IEC)
Maximum Series Fuse Rating	30A
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: 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.