

LUXNERI® SERIES **N5**

460-480W Mono

120 Half-Cell Layout

FULL BLACK BIFACIAL DG

M10/182mm N-TOPCon Cell



N-TOPCon Cell Technology



SMBB Half Cut Cell Technology



Bifacial Cell Module Technologies



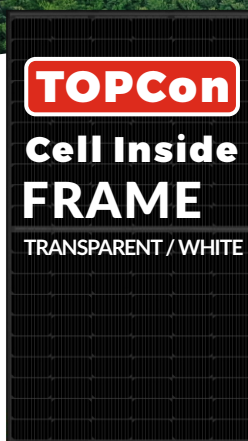
Excellent Anti-PID Low LID Performance



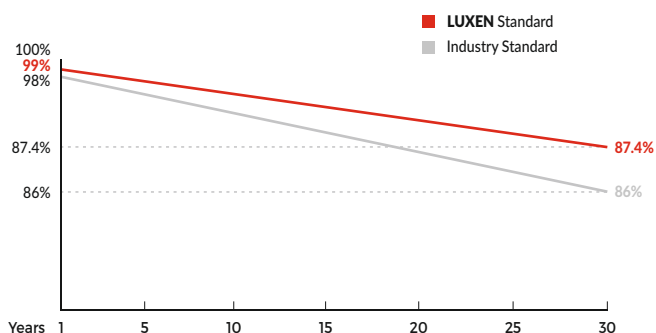
Less Hot Spot Shading Effects



Higher Power Output Lower BOS & LCOE



Linear performance Warranty



Comprehensive Certificates

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



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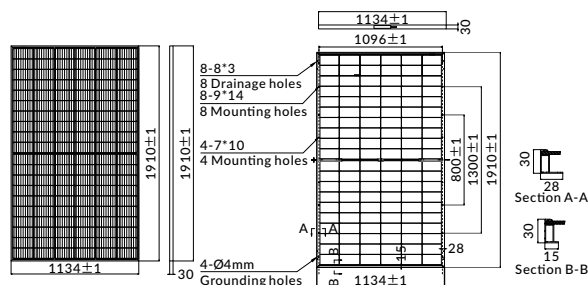
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MECHANICAL CHARACTERISTICS

Solar Cells	N-type Mono
No. of Cells	120 (6x20)
Dimensions	1910 x 1134 x 30mm
Weight	26.0kgs
Front Glass	2.0mm coated semi-tempered glass
Back Glass	2.0mm semi-tempered glass
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-460ND	LNVK-465ND	LNVK-470ND	LNVK-475ND	LNVK-480ND
	STC	STC	STC	STC	STC
Maximum power (Pmax)	460W	465W	470W	475W	480W
Open Circuit Voltage (Voc)	42.51V	42.72V	42.94V	43.15V	43.36V
Short Circuit Current (Isc)	13.88A	13.95A	14.02A	14.09A	14.16A
Voltage at Maximum power (Vmpp)	34.93V	35.12V	35.31V	35.50V	35.69V
Current Maximum Power (Impp)	13.17A	13.24A	13.31A	13.38A	13.45A
MODULE EFFICIENCY (%)	21.24%	21.47%	21.70%	21.93%	22.16%

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

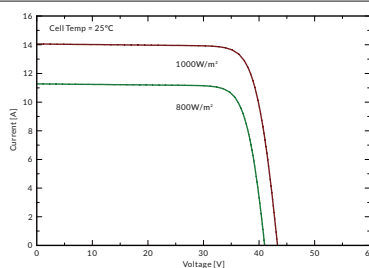
BIFACIAL OUTPUT-REAR SIDE POWER GAIN

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%

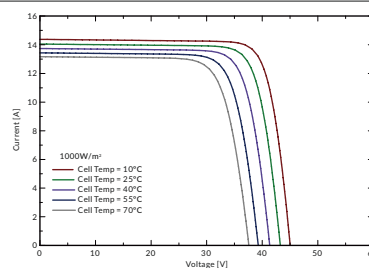
PACKING CONFIGURATION

Container	20'GP	40'HQ
Pieces per pallet	36	36
Pallets per container	6	24
Pieces per container	216	864

I-V CURVE



LNVK-475ND/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.