

LUXNERI® SERIES N5
460-480W Mono FULL BLACK
120 Half-Cell Layout
M10/182mm N-TOPCon Cell

TOPCon
Cell Inside

N-TOPCon Cell Technology

Full Black Appearance for Aesthetic Effect

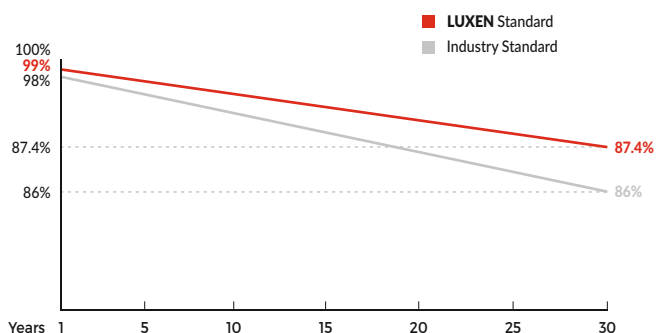
SMBB Half Cut Cell Technology

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

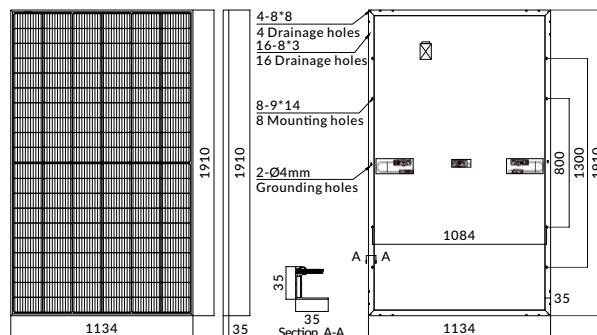

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MECHANICAL CHARACTERISTICS

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-460N		LNVK-465N		LNVK-470N		LNVK-475N		LNVK-480N	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum power (Pmax)	460W	345W	465W	349W	470W	353W	475W	357W	480W	361W
Open Circuit Voltage (Voc)	42.42V	40.45V	42.63V	40.63V	42.85V	40.81V	43.06V	40.99V	43.27V	41.17V
Short Circuit Current (Isc)	13.91A	11.20A	13.98A	11.26A	14.05A	11.32A	14.12A	11.38A	14.19A	11.44A
Voltage at Maximum power (Vmpp)	35.44V	32.61V	35.63V	32.80V	35.82V	32.99V	36.01V	33.18V	36.20V	33.36V
Current Maximum Power (Impp)	12.98A	10.58A	13.05A	10.64A	13.12A	10.70A	13.19A	10.76A	13.26A	10.82A
MODULE EFFICIENCY (%)	21.24%		21.47%		21.70%		21.93%		22.16%	

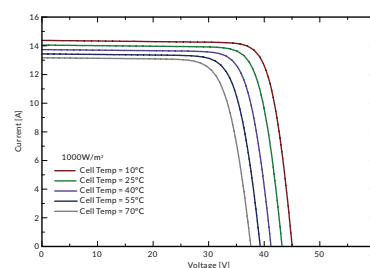
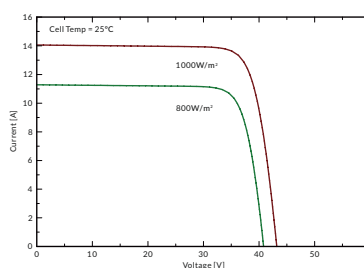
STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5GNMOT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s, AM1.5G

PACKING CONFIGURATION

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

I-V CURVE

LNVK-475N/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.