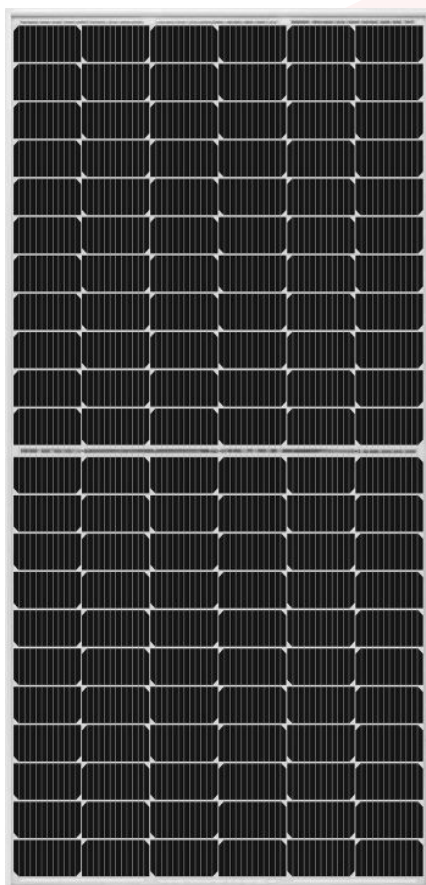


## Mono BIFACIAL DG FOTOVOLTAICKÝ PANEL LUXEN



### PRÉMIOVÝ VZHLED

Panel disponuje průhledným rámem.



### VYŠŠÍ VÝKON

Nižší BOS a LCOE.



### Technologie článků N-TOPCon

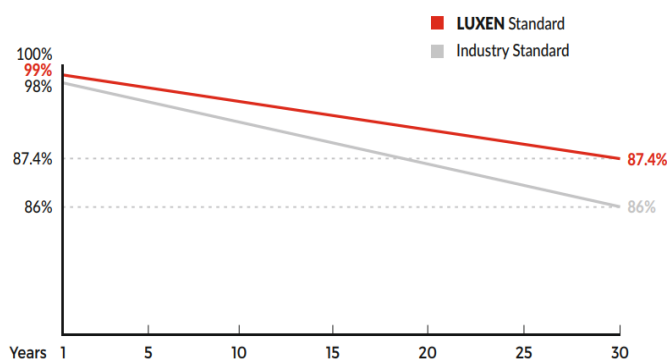
zvyšuje účinnost solárních článků.



### ZÁRUKA

Na solární panely LUXEN se vztahuje 12 letá produktová záruka a 30 letá výkonová záruka.

### Lineární záruka výkonu



### Certifikáty

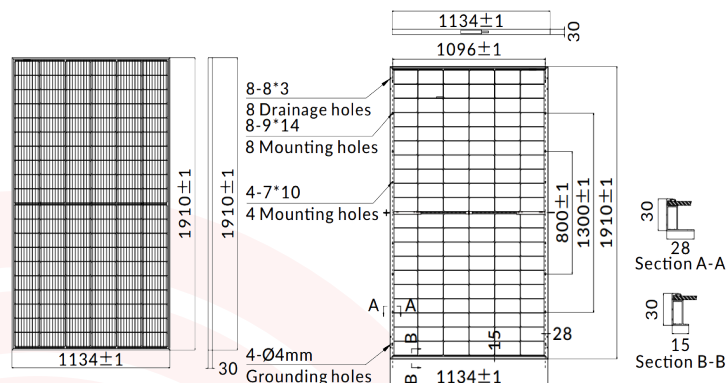
- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC61215/IEC61730 Standard quality



# MECHANICAL CHARACTERISTICS

## PARAMETERS

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)
Output Cables	20.5kg±3%
Connectors	Mc4 compatible
Mechanical load test	5400Pa



## ELECTRICAL PARAMETERS

	LNVK-460ND STC	LNVK-465ND STC	LNVK-470ND STC	LNVK-475ND STC	LNVK-475ND STC
Maximum power (Pmax)	460W	465W	470W	475W	35.69V
Open Circuit Voltage (Voc)	42.51V	42.72V	42.94V	43.15V	35.69V
Short Circuit Current (Isc)	13.88A	13.95A	14.02A	14.09V	35.69V
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%

## BIFACIAL OUTPUT-REAR SIDE POWER GAIN

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

## OPERATING CHARACTERISTICS

Operating Module Temperature	-40°C až +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	45±2°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	+0.045%/°C