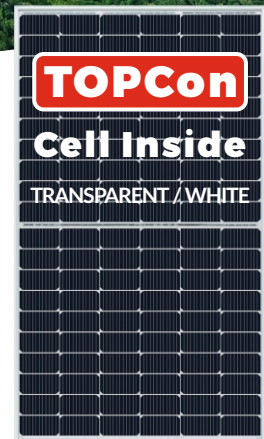


LUXPOWER® SERIES **N**5



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

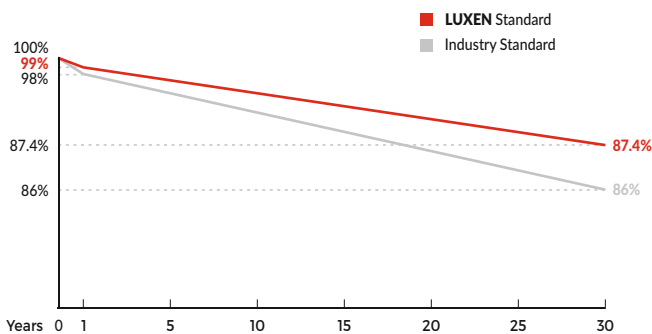


Less Hot Spot Shading Effects



Higher Power Output Lower BOS & LCOE

Linear performance Warranty



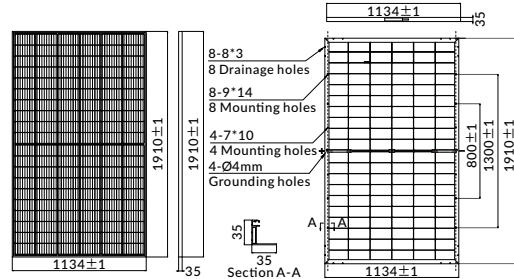
Comprehensive Certificates

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



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

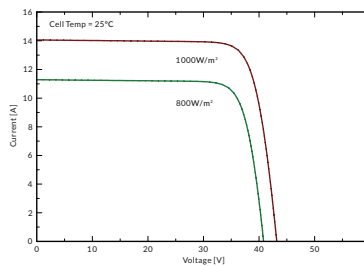
BIFACIAL OUTPUT-REAR SIDE POWER GAIN

| | | LNVK-460NB | LNVK-465NB | LNVK-470NB | LNVK-475NB | LNVK-480NB |
|-----|---------------------------|------------|------------|------------|------------|------------|
| 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% |

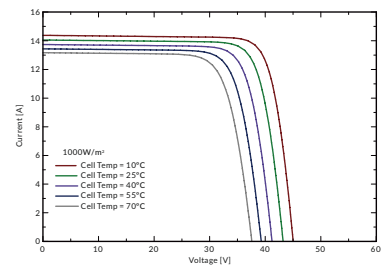
PACKING CONFIGURATION

| | | |
|-----------------------|-------|-------|
| 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.