

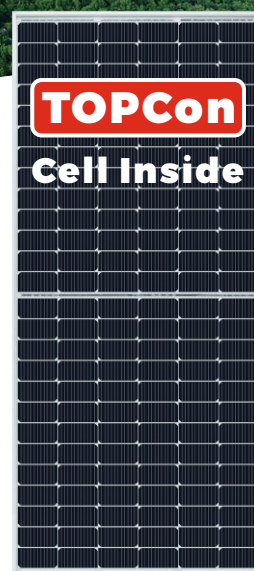
## LUXPOWER® SERIES **N**5



# 610-630W Mono

## 156 Half-Cell Layout

### M10/182mm N-TOPCon Cell



N-TOPCon Cell Technology



Half Cut Cell Technology



SMBB Technology



Excellent Anti-PID Low LID Performance

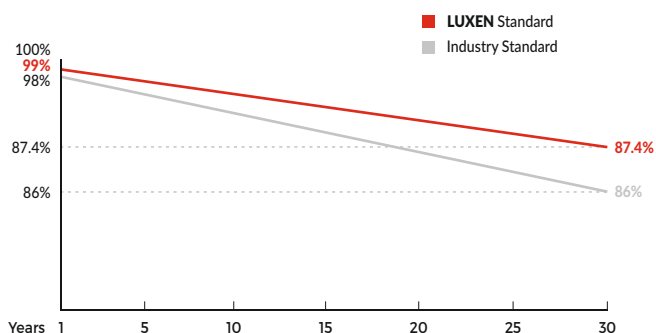


Less Hot Spot Shading Effects



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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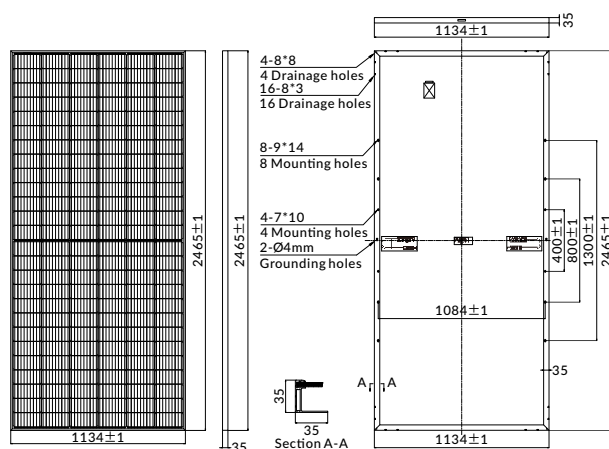
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## MECHANICAL CHARACTERISTICS

|                      |                               |
|----------------------|-------------------------------|
| Solar Cells          | N-type Mono                   |
| No. of Cells         | 156 (6x26)                    |
| Dimensions           | 2465 x 1134 x 35mm            |
| Weight               | 30.0kgs                       |
| Front Glass          | 3.2mm coated tempered glass   |
| Frame                | Anodized aluminium alloy      |
| Junction Box         | Ip68 rated (3 by pass diodes) |
|                      | 4.0mm <sup>2</sup>            |
| Output Cables        | 300mm (+) / 300mm (-)         |
|                      | Length can be customized      |
| Connectors           | Mc4 compatible                |
| Mechanical load test | 5400Pa                        |



## ELECTRICAL PARAMETERS

| POWER CLASS                     | LNVH-610N |        | LNVH-615N |        | LNVH-620N |        | LNVH-625N |        | LNVH-630N |        |
|---------------------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
|                                 | STC       | NMOT   | STC       | NMOT   | STC       | NMOT   | STC       | NMOT   | STC       | NMOT   |
| Maximum power (Pmax)            | 610W      | 459W   | 615W      | 463W   | 620W      | 467W   | 625W      | 471W   | 630W      | 475W   |
| Open Circuit Voltage (Voc)      | 55.25V    | 52.50V | 55.40V    | 52.66V | 55.55V    | 52.82V | 55.70V    | 52.98V | 55.84V    | 53.13V |
| Short Circuit Current (Isc)     | 14.10A    | 11.41A | 14.17A    | 11.47A | 14.24A    | 11.53A | 14.31A    | 11.59A | 14.38A    | 11.65A |
| Voltage at Maximum power (Vmpp) | 45.73V    | 42.34V | 45.86V    | 42.48V | 45.99V    | 42.61V | 46.13V    | 42.74V | 46.26V    | 42.87V |
| Current Maximum Power (Impp)    | 13.34A    | 10.84A | 13.41A    | 10.90A | 13.48A    | 10.96A | 13.55A    | 11.02A | 13.62A    | 11.08A |
| MODULE EFFICIENCY (%)           | 21.82%    |        | 22.00%    |        | 22.18%    |        | 22.36%    |        | 22.54%    |        |

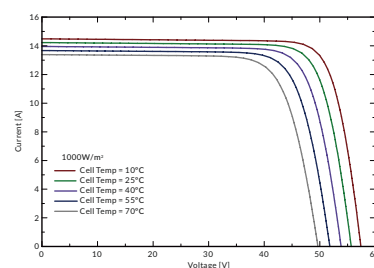
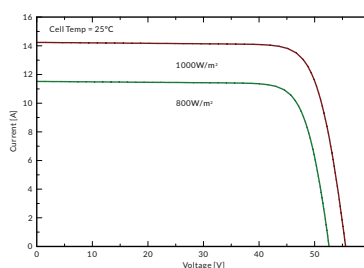
STC: Irradiance 1000W/m<sup>2</sup>, cell temperature 25°C, AM1.5GNMOT: Irradiance 800W/m<sup>2</sup>, ambient temperature 20°C, wind speed 1m/s, AM1.5G

## PACKING CONFIGURATION

|                       |       |       |
|-----------------------|-------|-------|
| Container             | 20'GP | 40'HQ |
| Pieces per pallet     | 31    | 31    |
| Pallets per container | 4     | 16    |
| Pieces per container  | 124   | 496   |

## I-V CURVE

## LNVH-620N/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.