LUXEN SOLAR

Quality Maker

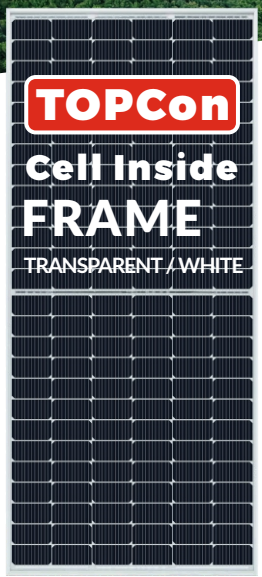
# LUXPOWER® SERIES N5

Tier 1 BloombergNEF | 30 years POWER WARRANTY | 12 years PRODUCT WARRANTY

# 605-625W Mono BIFACIAL DG

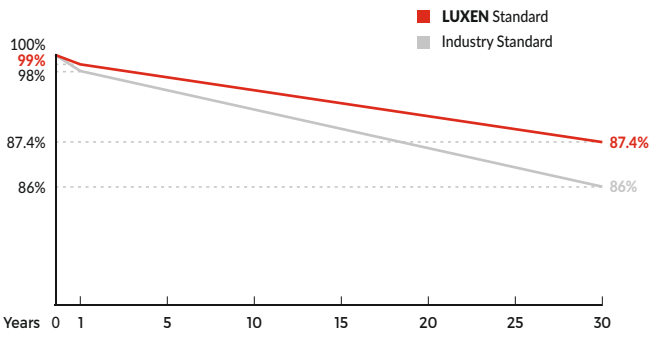
## 156 Half-Cell Layout

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

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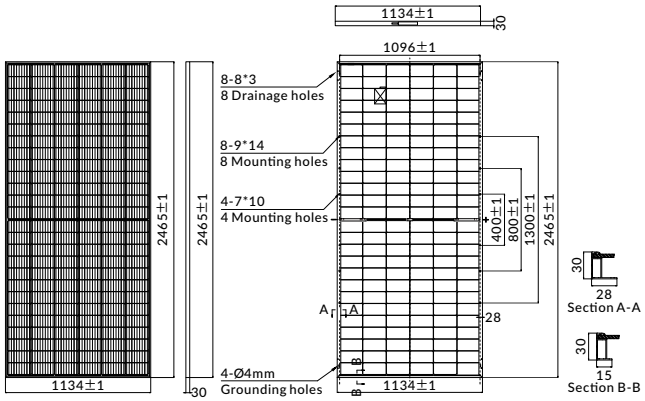
# LUXPOWER® Mono I 605 - 625W BIFACIAL DG

**Quality Maker**

## MECHANICAL CHARACTERISTICS

| | | |
|---|---|---|
| Solar Cells | | N-type Mono |
| No. of Cells | | 156 (6x26) |
| Dimensions | | 2465 x 1134 x 30mm |
| Weight | | 34.5kgs |
| 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 | | 4.0mm² |
| | | 300mm (+) / 300mm (-) |
| | | Length can be customized |
| Connectors | | Mc4 compatible |
| Mechanical load test | | 5400Pa |




## ELECTRICAL PARAMETERS

| POWER CLASS | LNVH-605ND | LNVH-610ND | LNVH-615ND | LNVH-620ND | LNVH-625ND |
|---|---|---|---|---|---|
| | STC | STC | STC | STC | STC |
| Maximum power (Pmax) | 605W | 610W | 615W | 620W | 625W |
| Open Circuit Voltage (Voc) | 55.30V | 55.41V | 55.53V | 55.64V | 55.75V |
| Short Circuit Current (Isc) | 13.97A | 14.04A | 14.11A | 14.18A | 14.25A |
| Voltage at Maximum power (Vmpp) | 45.63V | 45.76V | 45.90V | 46.03V | 46.16V |
| Current Maximum Power (Impp) | 13.26A | 13.33A | 13.40A | 13.47A | 13.54A |
| MODULE EFFICIENCY (%) | 21.64% | 21.82% | 22.00% | 22.18% | 22.36% |

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

### BIFACIAL OUTPUT-REARSIDE POWER GAIN

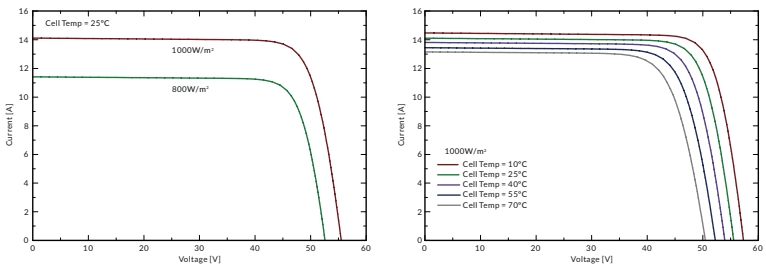
| | | | | | | |
|---|---|---|---|---|---|---|
| 5% | Maximum power (Pmax) | 635W | 641W | 646W | 651W | 656W |
| | Module Efficiency STC (%) | 22.73% | 22.91% | 23.10% | 23.29% | 23.48% |
| 15% | Maximum power (Pmax) | 696W | 702W | 707W | 713W | 719W |
| | Module Efficiency STC (%) | 24.89% | 25.10% | 25.30% | 25.51% | 25.71% |
| 25% | Maximum Power (Pmax) | 756W | 763W | 769W | 775W | 781W |
| | Module Efficiency STC (%) | 27.05% | 27.28% | 27.50% | 27.73% | 27.95% |

### PACKING CONFIGURATION

| Container | 20'GP | 40'HQ |
|---|---|---|
| Pieces per pallet | 36 | 36 |
| Pallets per container | 4 | 16 |
| Pieces per container | 144 | 576 |

### I-V CURVE

LNVH-620ND/I-V




## OPERATING CHARACTERISTICS

| | |
|---|---|
| Operating Module Temperature | -40°C to +85°C |
| Maximun System Voltage | 1500 DC (IEC) |
| Maximun 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.

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