

# LUXNERI® SERIES **N5**

## 605-625W Mono

156 Half-Cell Layout

FULL BLACK BIFACIAL DG

M10/182mm N-TOPCon Cell



**TOPCon**

**Cell Inside  
FRAME**

TRANSPARENT / WHITE



N-TOPCon Cell  
Technology



SMBB Half Cut  
Cell Technology



Bifacial Cell  
Module Technologies



Excellent  
Anti-PID  
Low LID  
Performance

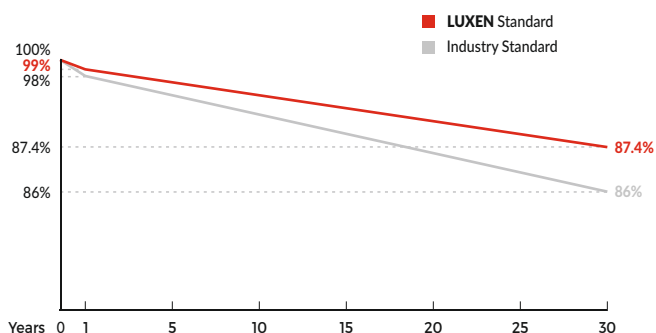


Less Hot Spot  
Shading Effects



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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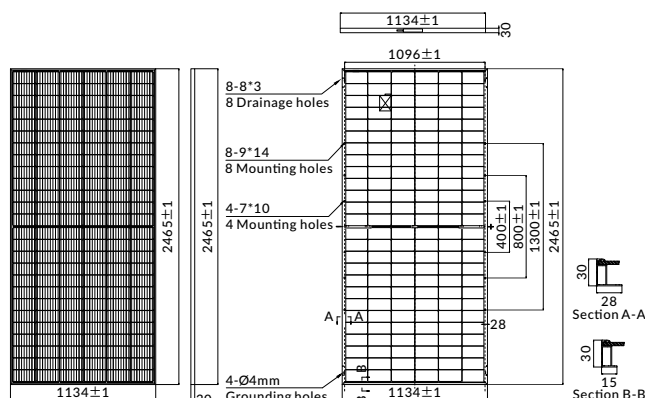
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## MECHANICAL CHARACTERISTICS

|                      |                                  |
|----------------------|----------------------------------|
| 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)    |
|                      | 4.0mm <sup>2</sup>               |
| Output Cables        | 300mm (+) / 300mm (-)            |
|                      | Length can be customized         |
| Connectors           | Mc4 compatible                   |
| Mechanical load test | 5400Pa                           |



## ELECTRICAL PARAMETERS

| POWER CLASS                     | LNVD-605ND | LNVD-610ND | LNVD-615ND | LNVD-620ND | LNVD-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/m<sup>2</sup>, cell temperature 25°C, AM1.5G

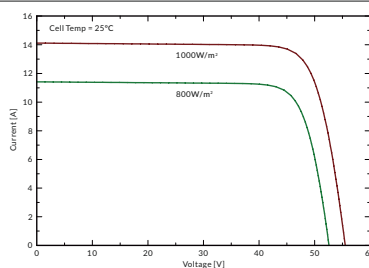
## BIFACIAL OUTPUT-REAR SIDE POWER GAIN

|     |                           |        |        |        |        |        |
|-----|---------------------------|--------|--------|--------|--------|--------|
| 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% |

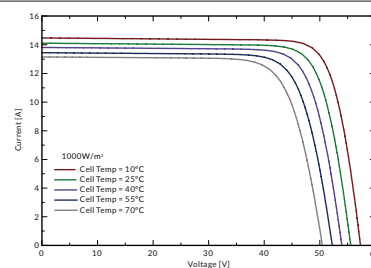
## PACKING CONFIGURATION

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

## I-V CURVE



## LNVD-620ND/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.