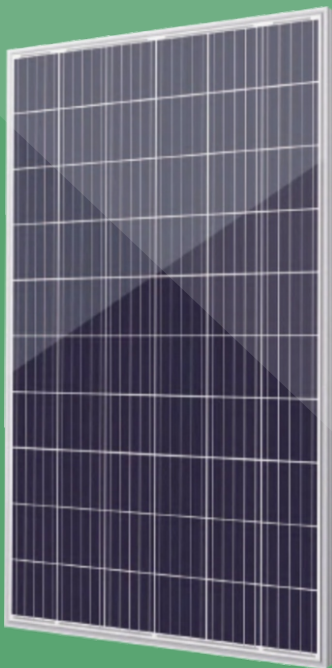


# LUXPOWER® POLY 270-290w

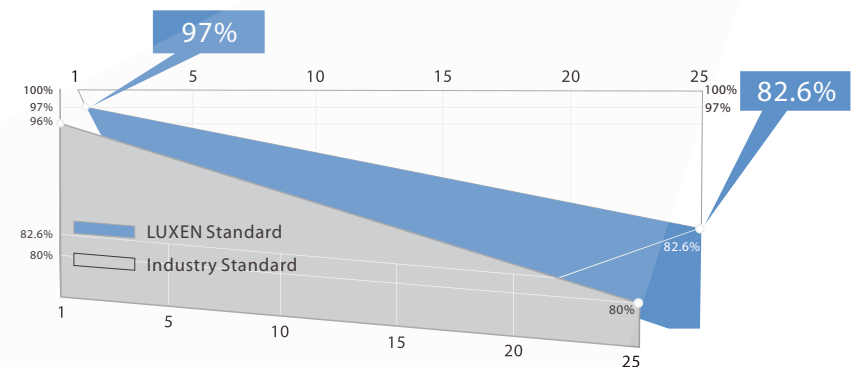
Premium modules of LUXPOWER series with varied power ratings are suitable for all types of systems, from small-scale private roof systems to large-scale solar power farms. All LUXPOWER solar modules have the CE statement of approval and the IEC 61215 & IEC 61730 certificates.

## 60 cells



## LINEAR PERFORMANCE WARRANTY

25-year power warranty · 10-year product warranty



ISO9001:2015 QMS  
ISO14001:2015 EMS  
ISO45001:2018 OHSMS



IEC61215 & IEC61730  
standard quality



Higher efficiency & Lower power degradation  
2% less power reduction in the 1st year



Wind load up to 3800Pa  
Snow load up to 5400Pa



0-5W positive power sorting



Stable performance under  
weak light conditions



Salt mist and ammonia corrosion  
tests passed



Tier 1 Solar Module  
Manufacturer by BNEF

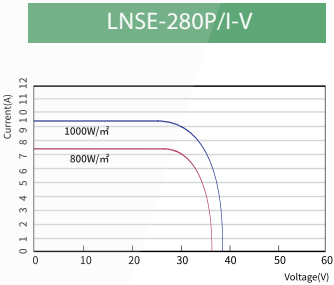


POLY 270-290w 60 cells



| ELECTRICAL<br>PARAMETERS        | LNSE-270P |        | LNSE-275P |        | LNSE-280P |        | LNSE-285P |        | LNSE-290P |        |
|---------------------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
|                                 | STC       | NMOT   | STC       | NMOT   | STC       | NMOT   | STC       | NMOT   | STC       | NMOT   |
| Maximum Power (Pmax)            | 270W      | 200W   | 275W      | 204W   | 280W      | 207W   | 285W      | 211W   | 290W      | 214W   |
| Open Circuit Voltage (Voc)      | 37.89V    | 35.63V | 38.19V    | 35.95V | 38.47V    | 36.22V | 38.86V    | 36.51V | 39.18V    | 36.79V |
| Short Circuit Current (Isc)     | 9.24A     | 7.27A  | 9.32A     | 7.33A  | 9.41A     | 7.40A  | 9.47A     | 7.46A  | 9.54A     | 7.53A  |
| Voltage at Maximum Power (Vmpp) | 31.11V    | 29.33V | 31.36V    | 29.57V | 31.64V    | 29.66V | 31.89V    | 29.84V | 32.14V    | 30.00V |
| Current at Maximum Power (Impp) | 8.68A     | 6.82A  | 8.77A     | 6.90A  | 8.85A     | 6.98A  | 8.94A     | 7.06A  | 9.02A     | 7.14A  |
| Module Efficiency(%)            | 16.60%    |        | 16.90%    |        | 17.21%    |        | 17.52%    |        | 17.83%    |        |

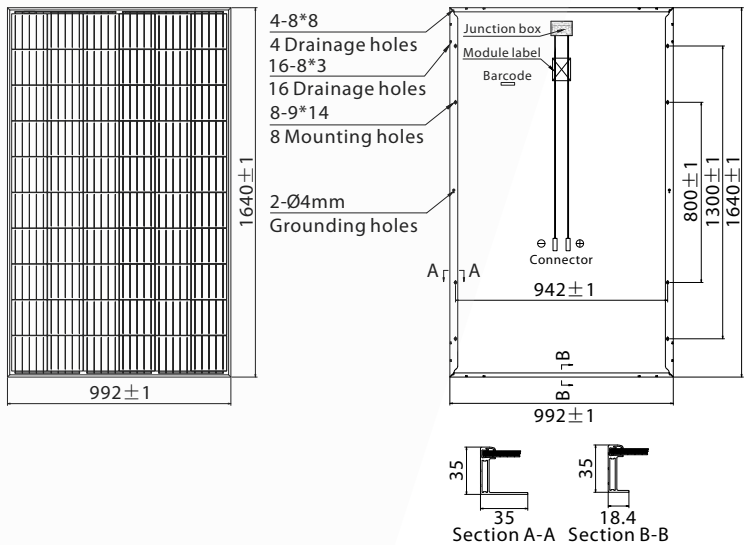
STC: Irradiance 1000W/m<sup>2</sup>, cell temperature 25°C, AM 1.5G  
NMOT: Irradiance 800W/m<sup>2</sup>, ambient temperature 20°C,  
wind speed 1m/s, AM 1.5G



|                                          |                |
|------------------------------------------|----------------|
| Operating Module Temperature             | -40°C to +85°C |
| Maximun System Voltage                   | 1500V DC(IEC)  |
| Maximun Series Fuse Rating               | 20A            |
| Power Tolerance                          | 0/+5W          |
| Temperature Charateristics               |                |
| Nominal Operating Cell Temperature(NMOT) | 45±2°C         |
| Temperature Coefficient of Pmax          | -0.36%/°C      |
| Temperature Coefficient of Voc           | -0.28%/°C      |
| Temperature Coefficient of Isc           | +0.05%/°C      |

| Packing Configuration |       |       |
|-----------------------|-------|-------|
| Container             | 20'GP | 40'HQ |
| Pieces per pallet     | 31    | 31    |
| Pallets per container | 12    | 28    |
| Pieces per container  | 372   | 868   |

| Mechanical Characteristics |                              |
|----------------------------|------------------------------|
| Solar Cell                 | POLY156.75x156.75mm          |
| No.of Cell                 | 60(6x10)                     |
| Dimensions                 | 1640x992x35mm                |
| Weight                     | 17.5kgs                      |
| Front                      | 3.2mm coated tempered glass  |
| Frame                      | Anodized aluminium alloy     |
| Junction Box               | Ip68 rated(3 by pass diodes) |
| Output Cables              | 4.0mm <sup>2</sup>           |
|                            | symmetrical length           |
| Connectors                 | 900mm                        |
|                            | MC4 compatible               |
| Mechanical load test       | 5400Pa                       |



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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