German
Solar
Engineering

LUXOR
the sunshine people

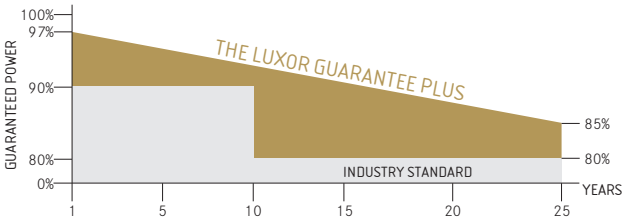



12 YEARS
product guarantee[1]

25 YEARS
linear performance guarantee[1]

# ECO LINE
# P60/250 – 270 W

## Polycrystalline module family




### Longlife tested

- Selection of components
- Cross-linking degree test

### Power proofed

- Performance surplus of 0 Wp to 6.49 Wp
- Impp sorting

### Safety provided

- Special packing to avoid micro cracks in the cells
- German warrantor

The 60-cell module is the large-size all-rounder among the Luxor solar modules. Eco in this case means especially economical: The high wattage makes the module the ideal solution for industrial scale equipments. From the open-field facilities, through the tracking system, to the roof-mounted installation. High-quality solar cell with an efficiency up to 20.6 % at the best possible low light behaviour ensure the best energy output. And this at plus tolerances of 0Wp to 6.49Wp.

Exemplary in the manufacturing quality, too: An especially durable plug-in connection guarantees the best power contact under all conditions, and the hollow-section frame made of anodised aluminium and compatible with every assembly system, is torsionally stiff and corrosion-free. Manufactured according to German standards each Luxor photovoltaic module is marked by a special level of durability and reliability.

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# ECO LINE P60/250 – 270W

Polycrystalline module family

| Electrical data | LX-250P | LX-255P | LX-260P | LX-265P | LX-270P |
|---|---|---|---|---|---|
| Rated power Pmpp [Wp] | 250.00 | 255.00 | 260.00 | 265,00 | 270.00 |
| Pmpp range from | 250.00 | 255.00 | 260.00 | 265,00 | 270.00 |
| Pmpp range to | 256.49 | 261.49 | 266.49 | 271,49 | 276.49 |
| Rated current Impp [A] | 8.14 | 8.23 | 8.32 | 8,41 | 8.50 |
| Rated voltage Vmpp [V] | 30.75 | 31.02 | 31.28 | 31.54 | 31.80 |
| Short-circuit current Isc [A] | 8.59 | 8.62 | 8.66 | 8.70 | 8.74 |
| Open-circuit voltage Uoc [V] | 37.31 | 37.48 | 37.94 | 38.40 | 38.87 |
| Efficiency at STC | 15.38% | 15.69% | 15.99% | 16.30% | 16.61% |
| Efficiency at 200 W/m² | 14.94% | 15.23% | 15.53% | 16.15% | 16.15% |
| NOCT [°C] | 45 ± 2°C | 45 ± 2°C | 45 ± 2°C | 45 ± 2°C | 45 ± 2°C |

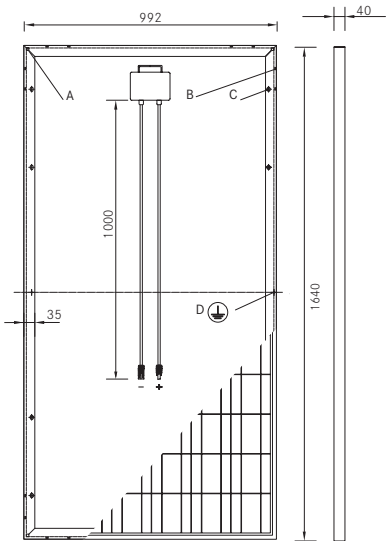
Specification as per STC (Standard test conditions): irradiance 1000 W/m² | module temperature 25°C | AM = 1,5
NOCT (nominal operating cell temperature): irradiance 800 W/m² | wind speed 1 m/sec | temperature 20°C | AM = 1,5

| Limiting values | LX-250P / LX-255P / LX-260P / LX-265P / LX-270P |
|---|---|
| Max. system voltage [V] | 1000 V |
| Max. return current [I] | 15 A |
| Temperature range | -40 to 85°C |
| Snow-load zone[2] | approval up to SLZ 3 (according to DIN 1055) |
| Max. pressure load (static) | 5400 Pa |

| Temperature coefficient | LX-250P / LX-255P / LX-260P / LX-265P / LX-270P |
|---|---|
| Temperature coefficient [V] \| [I] \| [P] | -0.32% /°C \| 0.05% /°C \| -0.45% /°C |

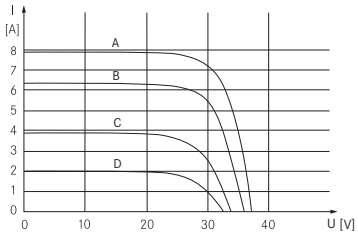
| Specifications | LX-250P / LX-255P / LX-260P / LX-265P / LX-270P |
|---|---|
| Number of cells (matrix) | 6 x 10, three strings in a row |
| Cell size | 156 mm x 156 mm |
| Module dimensions (L x W x H)[2] \| Weight | 1640 mm x 992 mm x 40 mm \| 18.6 kg |
| Front-side glass | 3.2 mm hardened solar glass with low iron content |
| Frame | stable, anodised aluminium frame in a hollow-section design |
| Socket | plastic (PPO), IP65, ventilated and strain-relieved |
| Diodes | 3 Schottky Diodes 15A/45V |
| Cable | 4 mm² solar cable, cable length 1.0 m |
| Plug-in connection | high-quality plug-in system, (IP65) MC4 or equivalent |
| Hail test (max. hailstorm) | Ø 45 mm \| impact velocity 23 m/s |
| General technical approval | classified according to DIN EN 13501-5 as $B_{ROOF}$(ti) |

**Back view/ Front view/ Side view[3]**

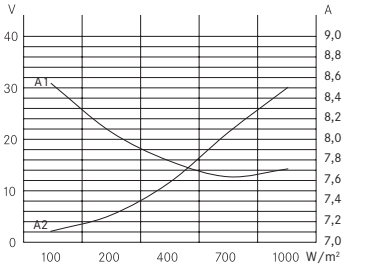



A: 4 x drainage 10*10 mm
B: 8 x ventilation aperture 3*7 mm
C: 8 x mounting hole[4] d = 7 mm
D: 2 x earthing d = 2 mm

**Characteristics**




A: 1000 W/m² | B: 800 W/m² | C: 500 W/m² | D: 250 W/m²




A1: Impp | A2: Vmpp

The specifications and average values can vary slightly. What is important is the corresponding data of the individual measurement. Specifications are subject to change without notice. Measurement tolerance: rated power +/- 3%, other values +/- 10%, all information in this data sheet corresponds to DIN 50380. A potential light-induced degradation of the power after commissioning is not considered here, other information can be found in the installation guidelines.

1 The specific warranty conditions are given under www.luxor-solar.com/download.htm
2 For standing installation
3 Tolerance L/W = +/- 3 mm, H = the dimensions given in the order confirmation will be decisive
4 Location on request

Luxor, your specialised company

Guidelines: 2006/95/EG-2006/95/EC,89/336/EWG-89/336/EEC,93/68/EWG-93/68/EEC

IEC 61215
IEC 61730

The validity of the certificates/listings for a specific country has to be examined under: www.luxor-solar.com/download.htm