

Made in Europe



product guarantee¹



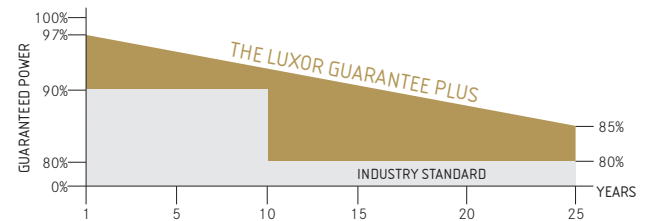
linear performance guarantee¹



ECO LINE

P48/200 – 215 W

Polycrystalline module family



Longlife tested



Power proofed



Safety provided



Selection of components



Cross-linking degree test



Performance surplus of 0 Wp to 6.49 Wp



Imp sorting



Special packing to avoid micro cracks in the cells



German warrantor

The 48-cell solar module is the large-size all-rounder among the Luxor 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 0 to 6.49 Wp.

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.

ECO LINE P48/200-215W



Polycrystalline module family

| Electrical data | LX-200P | LX-205P | LX-210P | LX-215P |
|---|----------|----------|----------|----------|
| Rated power P _{mpp} [Wp] | 200.00 | 205.00 | 210.00 | 215.00 |
| P _{mpp} range from | 200.00 | 205.00 | 210.00 | 215.00 |
| P _{mpp} range to | 206.49 | 211.49 | 216.49 | 221.49 |
| Rated current I _{mpp} [A] | 8.15 | 8.29 | 8.43 | 8.58 |
| Rated voltage V _{mpp} [V] | 24.55 | 24.74 | 24.93 | 25.13 |
| Short-circuit current I _{sc} [A] | 8.58 | 8.72 | 8.86 | 9.01 |
| Open-circuit voltage U _{oc} [V] | 29.83 | 29.91 | 30.00 | 30.08 |
| Efficiency at STC | 15.24% | 15.62% | 15.99% | 16.37% |
| Efficiency at 200 W/m ² | 14.81% | 15.18% | 15.54% | 15.91% |
| NOCT [°C] | 47 ± 2°C | 47 ± 2°C | 47 ± 2°C | 47 ± 2°C |

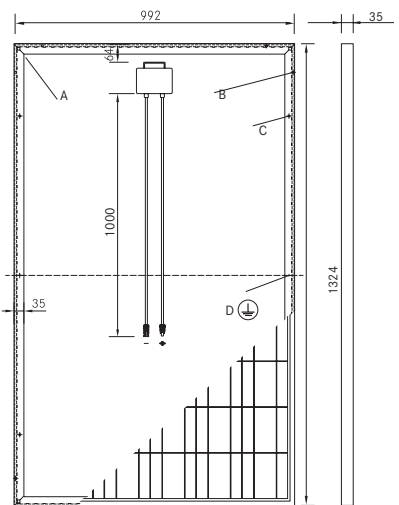
Specification as per STC (Standard test conditions): irradiance 1000 W/m² | module temperature 25°C | AM = 1,5
 NOCT (nominal operating cell temperature): irradiance 800 W/m² | wind speed 1 m/sec | temperature 20°C | AM = 1,5

| Limiting values | LX-200P / LX-205P / LX-210P / LX-215P |
|-----------------------------|--|
| Max. system voltage [V] | 1000 V |
| Max. return current [I] | 15 A |
| Temperature range | -40 bis 85°C |
| Snow-load zone ² | approval up to SLZ 3 (according to DIN 1055) |
| Max. pressure load (static) | 5400 Pa |

| Temperature coefficient | LX-200P / LX-205P / LX-210P / LX-215P |
|---|---------------------------------------|
| Temperature coefficient [V] [I] [P] | -0.32% /°C 0.05% /°C -0.45% /°C |

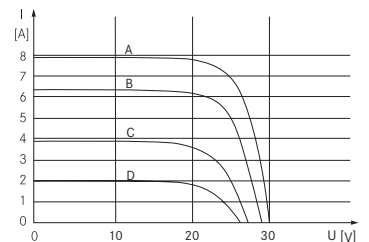
| Specifications | LX-200P / LX-205P / LX-210P / LX-215P |
|---|--|
| Number of cells (matrix) | 6 x 8, three strings in a row |
| Cell size | 156 mm x 156 mm (diagonal: 200 mm) |
| Module dimensions (L x W x H) ² Weight | 1,324 mm x 992 mm x 35 mm 15.4 kg |
| Front-side glass | 3.2 mm hardened solar glass with low iron content |
| Frame | stable, anodised aluminium frame in a hollow-section design |
| Socket | plastic (PPO), IP67, ventilated and strain-relieved |
| Diodes | 3 Schottky diodes 15A/45V |
| Cable | 4 mm ² solar cable, cable length 1.0 m |
| Plug-in connection | high-quality plug-in system, (IP67) MC4 or equivalent |
| Hail test (max. hailstorm) | Ø 45 mm impact velocity 23 m/s |
| Salt mist corrosion test | classified according to IEC 61701:2011 ed.2 |
| General technical approval | classified according to DIN EN 13501-5 as B _{ROOF} (ti) |

Back view/ Front view/ Side view³

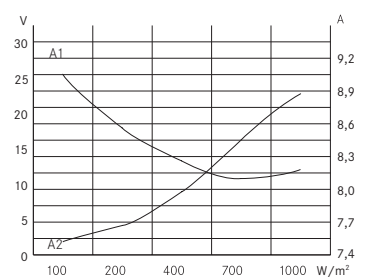


- A: 4 x drainage 10*10 mm
- B: 8 x ventilation aperture 3*7 mm
- C: 8 x mounting hole⁴ d = 7 mm
- D: 2 x earthing d = 2 mm

Characteristics



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



A1: I_{mpp} | A2: U_{mpp}

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



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