



product guarantee¹



linear performance guarantee¹



ECO LINE

P60/240 – 260 W

Polycrystalline module family



Longlife tested



Power proofed



Safety provided



Selection of components



Cross-linking degree test



Performance surplus of 0Wp to 6.49 Wp



Imp sorting



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.

ECO LINE P60/240 - 260W

Polycrystalline module family

| Electrical data | LX-240P | LX-245P | LX-250P | LX-255P | LX-260P |
|-------------------------------------------|----------|----------|----------|----------|----------|
| Rated power P _{mp} [Wp] | 240,00 | 245,00 | 250,00 | 255,00 | 260,00 |
| P _{mp} range from | 240,00 | 245,00 | 250,00 | 255,00 | 260,00 |
| P _{mp} range to | 246,49 | 251,49 | 256,49 | 261,49 | 266,49 |
| Rated current I _{mp} [A] | 7,93 | 8,04 | 8,14 | 8,23 | 8,32 |
| Rated voltage V _{mp} [V] | 30,30 | 30,51 | 30,75 | 31,02 | 31,28 |
| Short-circuit current I _{sc} [A] | 8,47 | 8,56 | 8,59 | 8,62 | 8,66 |
| Open-circuit voltage U _{oc} [V] | 37,66 | 37,73 | 37,31 | 37,48 | 37,94 |
| Efficiency at STC | 14,77% | 15,07% | 15,38% | 15,69% | 15,99% |
| Efficiency at 200 W/m ² | 14,34% | 14,64% | 14,94% | 15,23% | 15,53% |
| NOCT [°C] | 45 ± 2°C |

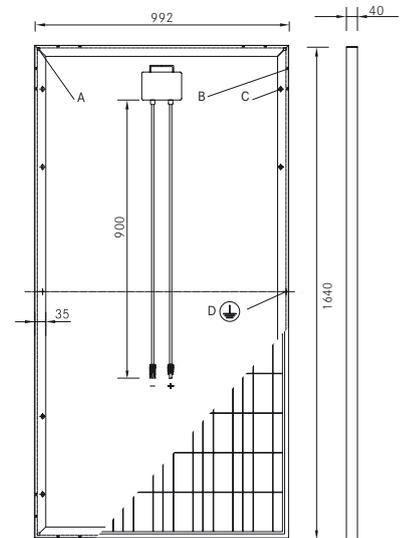
Specification as per STC (Standard test conditions): irradiance 1000 W/m² | module temperature 25°C | AM = 1,5
 NOCT (nominal operating cell temperature): irradiance 800 W/m² | wind speed 1 m/sec | temperature 20°C | AM = 1,5

| Limiting values | LX-240P / LX-245P / LX-250P / LX-255P / LX-260P |
|-----------------------------|-------------------------------------------------|
| 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-240P / LX-245P / LX-250P / LX-255P / LX-260P |
|-----------------------------------------|-------------------------------------------------|
| Temperature coefficient [V] [I] [P] | -0.31 % /°C 0.05 % /°C -0.40 % /°C |

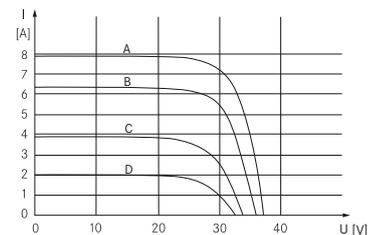
| Specifications | LX-240P / LX-245P / LX-250P / LX-255P / LX-260P |
|-----------------------------------------------------|------------------------------------------------------------------|
| Number of cells (matrix) | 6 x 10, three strings in a row |
| Cell size | 156 mm x 156 mm |
| Module dimensions (L x W x H) ² Weight | 1,640 mm x 992 mm x 40 mm 20.0 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 mm ² solar cable, cable length 0.9 m |
| Plug-in connection | high-quality plug-in system, (IP65) MC4 or equivalent |
| Hail test (max. hailstorm) | ∅ 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 view³

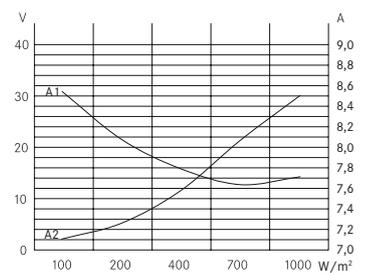


- A: 4 x drainage 10*10 mm
- B: 8 x ventilation aperture 3*7 mm
- C: 8 x mounting hole⁴ d = 7 mm
- D: 2 x earthing d = 2 mm

Characteristics



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



A1: I_{mp} | A2: V_{mp}

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
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