



product guarantee¹



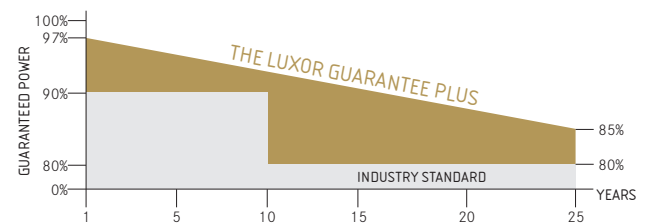
linear performance guarantee¹



ECO LINE

M72/200 – 220 W

Monocrystalline 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

Wherever flexibility is especially sought after, this solar module is in top form. With its dimension in a 1:2 ratio, it can always be optimally arranged in every roof covering and open-field installation. Our 72-cell module portrays a positive image with plus tolerances of 0 Wp to 6.49 Wp, through exemplary energy output. This is achieved through high-quality solar cell with highest efficiency at the best possible low light behaviour.

A durable plug-in connection guarantees reliable power contact for every weather. Compatible with current assembly systems through the torsionally stiff and corrosion-free hollow-section frame made of anodised aluminium. Manufactured according to German standards each Luxor solar module is marked by a special level of durability and reliability.

ECO LINE M72/200 – 220 W

Monocrystalline module family

Module type LX - XXXM/125-72+ | XXX = Rated power Pmpp

Electrical data at STC

| | | | | | |
|------------------------------------|--------|--------|--------|--------|--------|
| Rated power Pmpp [Wp] | 200.00 | 205.00 | 210.00 | 215.00 | 220.00 |
| Pmpp range to | 206.49 | 211.49 | 216.49 | 221.49 | 226.49 |
| Rated current Impp [A] | 5.50 | 5.54 | 5.60 | 5.63 | 5.73 |
| Rated voltage Vmpp [V] | 36.49 | 37.14 | 37.64 | 38.20 | 38.53 |
| Short-circuit current Isc [A] | 5.85 | 5.88 | 5.91 | 5.94 | 6.01 |
| Open-circuit voltage Uoc [V] | 45.62 | 45.86 | 46.09 | 46.33 | 46.57 |
| Efficiency at STC | 16.47% | 16.87% | 17.29% | 17.66% | 18.11% |
| Efficiency at 200 W/m ² | 15.41% | 15.69% | 15.97% | 16.26% | 16.84% |

Electrical data at NOCT

| | | | | | |
|-------------------------------|--------|--------|--------|--------|--------|
| Pmpp [Wp] | 147.16 | 150.26 | 154.10 | 157.05 | 161.23 |
| Rated current Impp [A] | 4.40 | 4.43 | 4.48 | 4.51 | 4.58 |
| Rated voltage Vmpp [V] | 33.45 | 33.93 | 34.42 | 34.86 | 35.20 |
| Short-circuit current Isc [A] | 4.68 | 4.70 | 4.73 | 4.75 | 4.81 |
| Open-circuit voltage Uoc [V] | 41.81 | 41.89 | 42.15 | 42.28 | 42.54 |

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 | @45 +/- 2°C | AM = 1,5

Limiting values

| | |
|----------------------------------|--|
| 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) [Pa] | 5400 |
| Max. dynamic load [Pa] | 2400 |

Temperature coefficient

| | |
|---|-------------------------------------|
| Temperature coefficient [V] [I] [P] | -0.30% /°C 0.06% /°C -0.40% /°C |
|---|-------------------------------------|

Specifications

| | |
|---|--|
| Number of cells (matrix) | 6 x 12, three strings in a row 125 mm x 125 mm |
| Module dimensions (L x W x H) ² Weight | 1580 mm x 808 mm x 35 mm 15 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), ventilated and strain-relieved, at least IP65 |
| Cabel | 4 mm ² solar cable, cable length 1000 mm |
| Diodes | 3 Schottky Diodes 15A/45V |
| Plug-in connection | high-quality plug-in system, (IP67) MC4 or equivalent |
| Hail test (max. hailstorm) | Ø 45 mm impact velocity 23 m/s |

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.

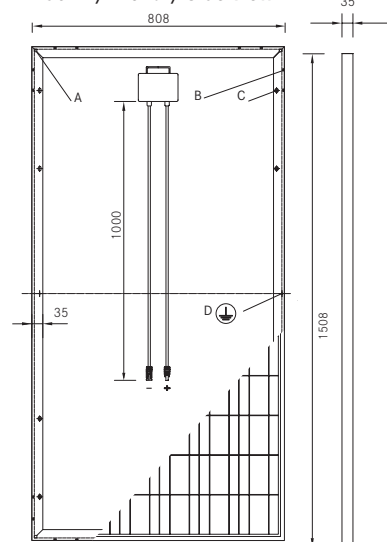
1 The specific warranty conditions are given under www.luxor-solar.com/download.htm

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

Back - / Front -/ Side view³



A: 4 x drainage 10*10 mm

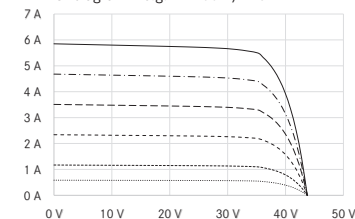
B: 8 x ventilation aperture 3*7 mm

C: 8 x mounting hole⁴ d = 7 mm

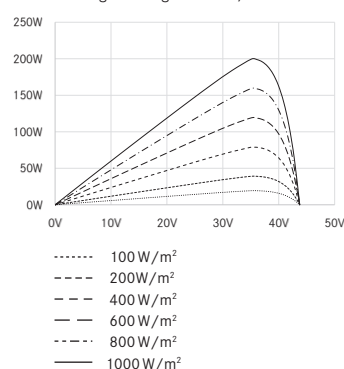
D: 2 x earthing d = 2 mm

Electrical characteristics

UI-diagramm e.g. LX-200M/125-72+



UP-diagramm e.g. LX-200M/125-72+



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