

Made in
Europe



product guarantee¹

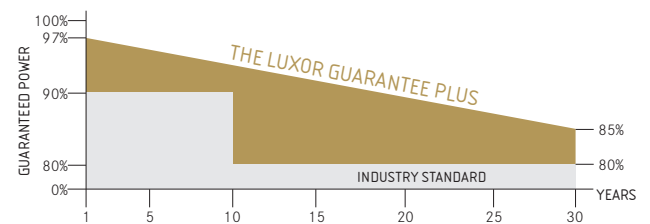


linear performance
guarantee¹



SECURE LINE M60/250 – 270 W

Glass-Glass module family
Black Edition



Longlife tested



Power proofed



Safety provided



Selection of
components



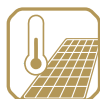
Back glass



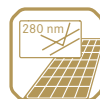
Edge-Sealing



Performance surplus
of 0 Wp to 6.49 Wp



Higher heat
dispensing



Wider light
spectrum absorbed



100% PID
free cells



Special packing to
avoid micro cracks
in the cells



German
warrantor

The 60-cell Glass-Glass Edition is the first choice for safety-conscious system owners. Secure stands for outstanding lifespan and a groundbreaking quality standard on components and manufacturing technology. Glass sheets on front and back side guarantee highest durability, mechanical stability as well as fire safety. As special edge sealing of the laminate used in automotive manufacturing provides for absolute protection from humidity and other harmful environmental influences. The use of PVA rather than EVA as encapsulant

allows for a higher transmission factor as well as 100% protection against PID. 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 Wp to 6.49 Wp. The Glass-Glass panel is the best possible solution when it comes to extraordinary lifespan, reliability and durability. This is reflected by a surpassing 30-year warranty on workmanship and power.

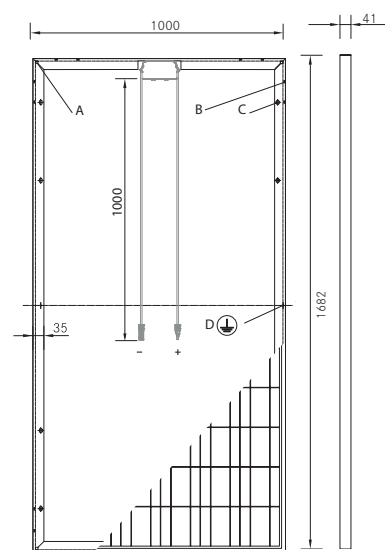
SECURE LINE M60/250 – 270W



Glass-Glass module family

| Electrical data | LX-250M | LX-260M | LX-270M |
|---|---------|---------|----------|
| Rated power P _{mp} [Wp] | 250.00 | 260.00 | 270.00 |
| P _{mp} range from | 250.00 | 260.00 | 270.00 |
| P _{mp} range to | 256.49 | 266.49 | 276.49 |
| Rated current I _{mp} [A] | 7.97 | 8.31 | 8.61 |
| Rated voltage V _{mp} [V] | 31.26 | 31.33 | 31.39 |
| Short-circuit current I _{sc} [A] | 8.53 | 8.75 | 9.00 |
| Open-circuit voltage U _{oc} [V] | 38.58 | 38.66 | 39.33 |
| Efficiency at STC | 15.08 % | 15.68 % | 16.205 % |
| NOCT [°C] | 43.0 °C | 43.0 °C | 43.0 °C |

Back view/ Front view/ Side view³



A: 4 x Drainage 10*10 mm
B: 8 x Ventilationsbohrung 3*7 mm
C: 8 x Montagebohrung⁴ d = 7 mm
D: 2 x Erdung d = 2 mm

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

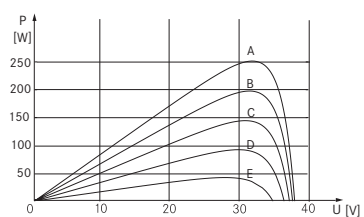
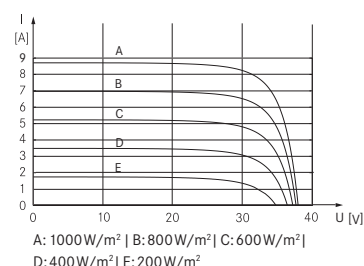
| Limiting values | LX-250M / LX-260M / LX-270M |
|-----------------------------|--|
| Max. system voltage [V] | 1000 V |
| Max. return current [I] | 15 A |
| Temperature range | -40 to 85 °C |
| Snow-load zone ² | approval up to SLZ 3 (according to DIN 1055) |
| Max. pressure load (static) | 5400 Pa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

| Temperature coefficient | LX-250M / LX-260M / LX-270M |
|---|--|
| Temperature coefficient [V] [I] [P] | -0.31 % / °C 0.044 % / °C -0.43 % / °C |

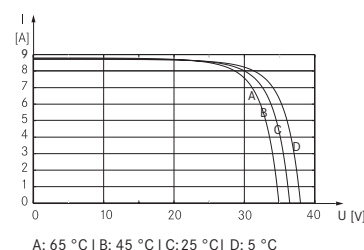
| Specifications | LX-250M / LX-260M / LX-270M |
|---|--|
| Number of cells (matrix) | 6 x 10, three strings in a row |
| Cell size | 156 mm x 156 mm |
| Module dimensions (L x W x H) ² Weight | 1682 mm x 1000 mm x 41 mm 23.0 kg |
| Front-side glass | 2.1 mm hardened solar glass with low iron content; DIN 12150 |
| Back-side glass | 2.1 mm hardened solar glass with low iron content; DIN 12150 |
| Frame | stable, anodised aluminium frame in a hollow-section design, black |
| Socket | plastic (PPO), Huber & Suhner, IP67, strain-relieved |
| Diodes | 3 Schottky Diodes 15A/45V |
| Cable | 4 mm ² solar cable, cable length 1.0m |
| Plug-in connection | high-quality plug-in system, (IP65) MC4 or equivalent |
| Hail test (max. hailstorm) | Ø 25 mm impact velocity 23 m/s |
| Resistance | Ammonium and Saltmist |

| Packing | LX-250M / LX-260M / LX-270M |
|---------------------------------|--|
| Packing unit | 17 modules 44 PU/Truck 13.6 LM |
| Dimensions (L x W x H) Weight | 181 cm x 80 cm x 120 cm 415 kg gross |

Characteristics⁵



A: 1000W/m² | B: 800W/m² | C: 600W/m²
D: 400W/m² | E: 200W/m²



A: 65 °C | B: 45 °C | C: 25 °C | D: 5 °C

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

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

5 exemplary for LX-250M SecureLine

Luxor, your specialised company



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