

product guarantee¹



linear performance guarantee¹

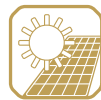


ECO LINE FULL BLACK M72/185 – 205 W

Monocrystalline module family



Longlife tested



Power proofed



Safety provided



Selection of components



Cross-linking degree test



Performance surplus of 1.5 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 an efficiency up to 20.6% 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 photovoltaic module is marked by a special level of durability and reliability.

ECO LINE FULL BLACK M72/185 - 205 W

Monocrystalline module family

Elektrische Daten	LX-185M	LX-190M	LX-195M	LX-200M	LX-205M
Nennleistung P _{mp} [Wp]	185.00	190.00	195.00	200.00	205.00
P _{mp} -Bereich von	185.00	190.00	195.00	200.00	205.00
P _{mp} -Bereich bis	191.49	196.49	201.49	206.49	211.49
Nennstrom I _{mp} [A]	4.85	4.93	5.04	5.11	5.44
Nennspannung U _{mp} [V]	38.48	38.89	39.04	39.45	37.84
Kurzschlussstrom I _{sc} [A]	5.13	5.22	5.34	5.42	5.94
Leerlaufspannung [V]	45.78	45.83	45.89	46.09	44.41
Wirkungsgrad bei STC	14.61%	15.00%	15.39%	15.79%	16.12%
Wirkungsgrad bei 200 W/m ²	14.21%	14.61%	15.00%	15.39%	15.72%
NOCT [°C]	45 ± 2°C	45 ± 2°C	45 ± 2°C	45 ± 2°C	45 ± 2°C

Specification as per STC: 1000 W/m², 25°C, AM 1.5 / STC irradiance: 1000 W/m²,
Module temperature: 25°C, AM=1.5 | NOCT: 47°C

Limiting values	LX-185M / LX-190M / LX-195M / LX-200M / LX-205M
Max. system voltage [V]	1000 V
Max. return current [I]	12A
Temperature range	-40 to 85°C
Snow-load zone ¹	approval up to SLZ 3 (according to DIN 1055)
Max. pressure load (static)	5400 Pa

Temperature coefficient	LX-185M / LX-190M / LX-195M / LX-200M / LX-205M
Temperature coefficient [V] [I] [P]	-0.35% / °C 0.04% / °C -0.45% / °C

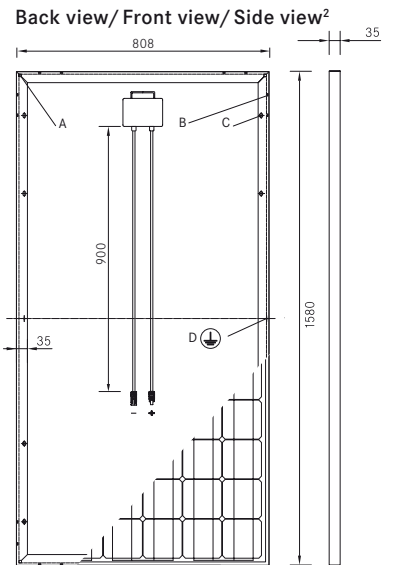
Specifications	LX-185M / LX-190M / LX-195M / LX-200M / LX-205M
Number of cells (matrix)	6 x 12, three strings in a row
Cell size	125 mm x 125 mm (diagonal: 165 mm)
Module dimensions (L x W x H) ² Weight	1,580 mm x 808 mm x 40 mm 15.0 kg
Front-side glass	3.2 mm hardened solar glass with low iron content
Frame	stable, anodised aluminium frame in a hollow-section design
Socket	plastic (PPO), IP65, ventilated and strain-relieved
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)

Packing	LX-185M / LX-190M / LX-195M / LX-200M / LX-205M
Packing unit	24 modules, 2 I _{mp} classes 28 PU/40' container
Dimensions (L x W x H) Weight	168 cm x 110 cm x 105 cm 440 kg gross

The specifications and average values can vary slightly. Decisive 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, other information to be found in the installation guidelines.

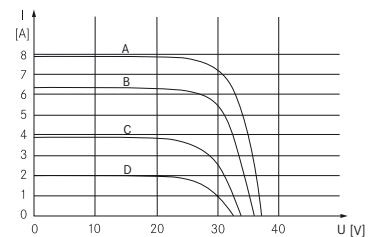
- 1 For standing installation
- 2 Tolerance L/W = +/- 3 mm, H = the dimensions given in the order confirmation will be decisive
- 3 Location on request

Luxor, your specialised company

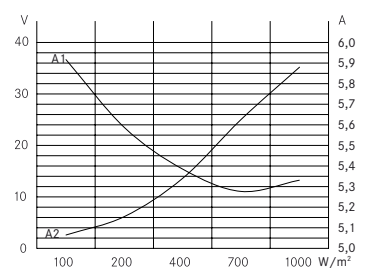


- A: 4 x drainage 10*10 mm
- B: 16 x ventilation aperture 3*7 mm
- C: 8 x mounting hole³ d = 7 mm
- D: 2 x earthing d = 2 mm

Characteristics



A: 1000 W/m² | B: 800 W/m² | C: 600 W/m²



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

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