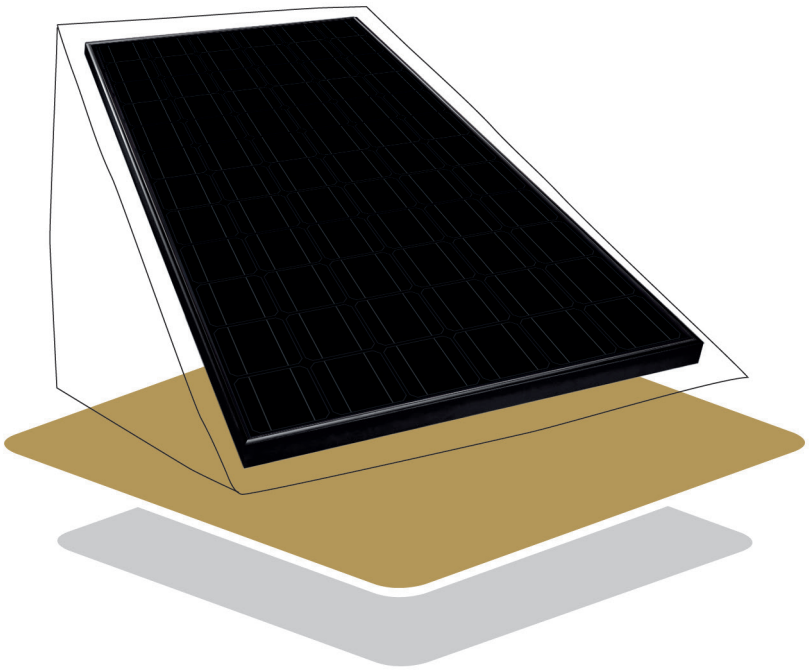
Solar Module
Manufacturer
Since 2004

LUXOR
the sunshine people

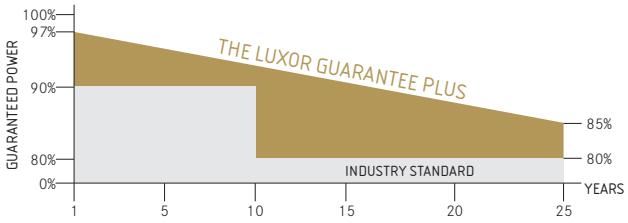


15 YEARS
product guarantee[1]

25 YEARS
linear performance guarantee[1]

ECO LINE FULL BLACK
M72/190 – 210 W

Monocrystalline module family



Longlife tested

- Selection of components
- Cross-linking degree test

Power proofed

- Performance surplus of 0 Wp to 6.49 Wp
- Impp sorting

Safety provided

- 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.

Luxor Solar GmbH | Theodor-Heuss-Straße 30 | 70174 Stuttgart | Germany | T+49.711.88888-999 | info@luxor-solar.com | www.luxor-solar.com

ECO LINE FULL BLACK M72/190 – 210 W

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

Electrical data at STC

Rated power Pmpp [Wp]	190.00	195.00	200.00	205.00	210.00
Pmpp range to	196.49	201.49	206.49	211.49	216.49
Rated current Impp [A]	5.40	5.46	5.50	5.53	5.60
Rated voltage Vmpp [V]	35.21	35.70	36.38	37.07	37.56
Short-circuit current Isc [A]	5.77	5.80	5.83	5.86	5.89
Open-circuit voltage Uoc [V]	44.75	44.98	45.65	45.89	46.13
Efficiency at STC	15.61%	16.01%	16.42%	16.84%	17.25%
Efficiency at 200 W/m²	14.90%	15.13%	15.41%	15.69%	15.97%

Electrical data at NOCT

Pmpp [Wp]	139.58	143.59	147.16	150.26	154.10
Rated current Impp [A]	4.32	4.37	4.40	4.43	4.48
Rated voltage Vmpp [V]	32.33	32.85	33.45	33.93	34.42
Short-circuit current Isc [A]	4.63	4.66	4.68	4.70	4.73
Open-circuit voltage Uoc [V]	41.00	41.26	41.81	41.89	42.15

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

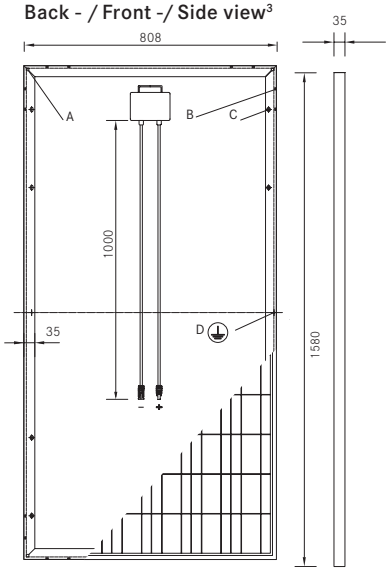
Specifications

Number of cells (matrix)	6 x 12, three strings in a row I 125 mm x 125 mm
Module dimensions (L x W x H)[2] | Weight	1580 mm x 808 mm x 35 mm | 15.5 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 mm² solar cable, cable length 1.0 m
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

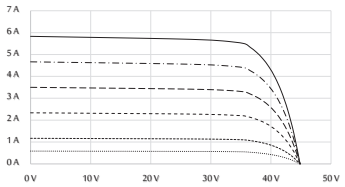
Back - / Front -/ Side view[3]



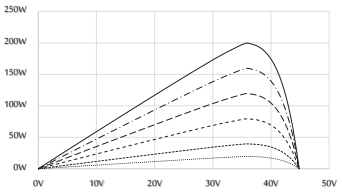
A: 4 x drainage 10*10 mm
B: 8 x ventilation aperture 3*7 mm
C: 8 x mounting hole[4] d = 7 mm
D: 2 x earthing d = 2 mm

Electrical characteristics

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



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



100 W/m²
200W/m²
400 W/m²
600 W/m²
800 W/m²
1000 W/m²

Luxor, your specialised company

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

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