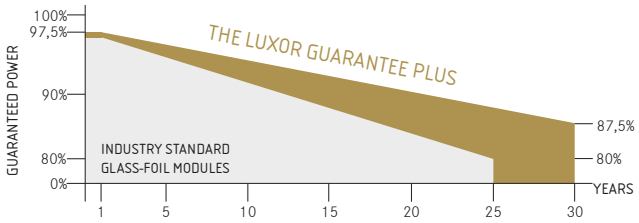
LUXOR

solar module manufacturer since 2007

+ DOUBLE GLASS: HIGHER MECHANICAL STABILITY AND FIRE SAFETY
+ APPLICATION: WHEREVER LONGEVITY AND ROBUSTNESS ARE REQUIRED
+ ESPECIALLY ECONOMIC FOR COMMERICAL SYSTEMS

30 YEARS
product guarantee[1]

30 YEARS
linear performance guarantee[1]



ECO LINE HALF CELL GLASS-GLASS

M108 / 395-415 W

MONOCRYSTALLINE MODULE FAMILY, BLACK FRAME, TRANSPARENT

Longlife tested

- Selection of components
- Back glass

Power proofed

- Performance surplus of 0 Wp to 6.49 Wp
- Higher heat dispensing

Safety provided

- 100% PID free cells
- German warrantor

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ECO LINE HALF CELL GLASS-GLASS

M108 / 395-415 W, BLACK FRAME, TRANSPARENT

Module type	LX - XXXM/182-108+ GG | XXX = Rated power Pmpp

Electrical data at STC

Rated power Pmpp [Wp]	395.00	400.00	405.00	410.00	415.00
Pmpp range to	401.49	406.49	411.49	416.49	421.49
Rated current Impp [A]	12.80	12.88	12.95	13.02	13.09
Rated voltage Vmpp [V]	30.89	31.09	31.30	31.51	31.72
Short-circuit current Isc [A]	13.52	13.60	13.67	13.75	13.82
Open-circuit voltage Uoc [V]	36.77	37.01	37.26	37.51	37.76
Efficiency at STC up to	20.56%	20.82%	21.07%	21.33%	21.58%
Efficiency at 200 W/m²	20.02%	20.28%	20.52%	20.77%	21.02%

Electrical data at NOCT

Power at Pmpp [Wp]	293.25	296.96	300.67	304.38	308.10
Rated current Impp [A]	10.34	10.40	10.46	10.52	10.57
Rated voltage Vmpp [V]	28.36	28.54	28.74	28.94	29.14
Short-circuit current Isc [A]	10.92	10.99	11.05	11.11	11.17
Open-circuit voltage Uoc [V]	33.94	34.18	34.42	34.66	34.90

Specification as per STC (Standard test conditions): irradiance 1000 W/m2 | module temperature 25°C | Air Mass = 1.5
NOCT (nominal operating cell temperature): irradiance 800 W/m2 | wind speed 1 m/sec | ambient temperature 20°C | cell operating temperature 45 +/-2°C | Air Mass = 1.5

Limiting values

Max. system voltage | max. return current	1500 V | 25 A
Safety class | Fire safety class	II | A (according to IEC 61730)
Operating Temperature	-40 bis 85°C
Max. tested pressure load-/tensile[2]	5400 Pa / 2400 Pa

Temperature coefficient

Temperature coefficient [U] | [I] | [P]	-0.285% /°C | 0.049% /°C | -0.360% /°C

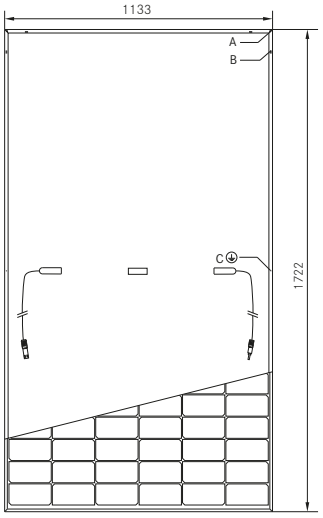
Specifications

Number of cells (matrix)	108 (6 x 18) | 182 mm x 91 mm
Transparency	approx. 7%
Module dimensions (L x W x H)[3] | Weight	1722 mm x 1133 mm x 35 mm | 26 kg
Front-side glass	2 mm tempered, highly transparent, anti-reflection solar glass
Back-side glass	2 mm tempered, highly transparent solar glass
Frame	stable, anodised aluminium frame
Junction Box	At least IP67
Diodes	3 Schottky Diodes
Cable	Symmetrical cable lengths > 1.2 m, 4 mm² solar cable
Connectors	MC4 or equivalent
Hail test (max. hailstorm)	ø 45 mm | impact velocity 23 m/s ≙ 83 km/h

The specifications and average values can vary slightly. Relevant is the corresponding data of the individual measurement. Specifications are subject to change without notice. Measurement tolerance depending on equipment: rated power +/- 3%. other values +/- 10%. All information given in this data sheet correspondes to DIN EN 50380. A potential light-induced degradation of the power after commissioning is not considered here. Further information in the installation manuals.

1 The specific warranty conditions are given under www.luxor.solar/downloads.html
2 Horizontal mounted; for details please check mounting instruction
3 Tolerance L/W = +/- 3 mm. H +/-2mm. the dimensions given in the order confirmation will be decisive
4 Location and dimensios of holes on reques

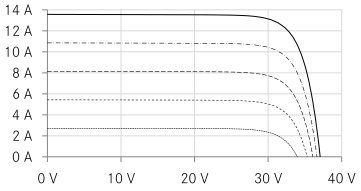
Back - / Front view[3]



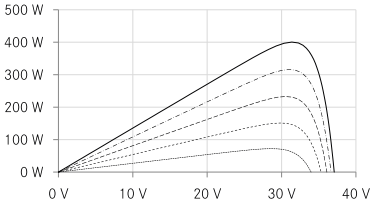
Drilled holes[4] A: 4 x drainage
B: 8 x ventilation
C: 2 x earthing

Electrical characteristics

UI-diagram e.g. 400 Wp



UI-diagram e.g. 400 Wp



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

Luxor. your specialised company

IEC 61215
IEC 61730

Guidelines:
93/68/EEC
2014/35/EU, (LVD)
2014/30/EU, (EMC)

The validity of the certificates/listings for a specific country has to be examined under: www.luxor.solar/downloads.html