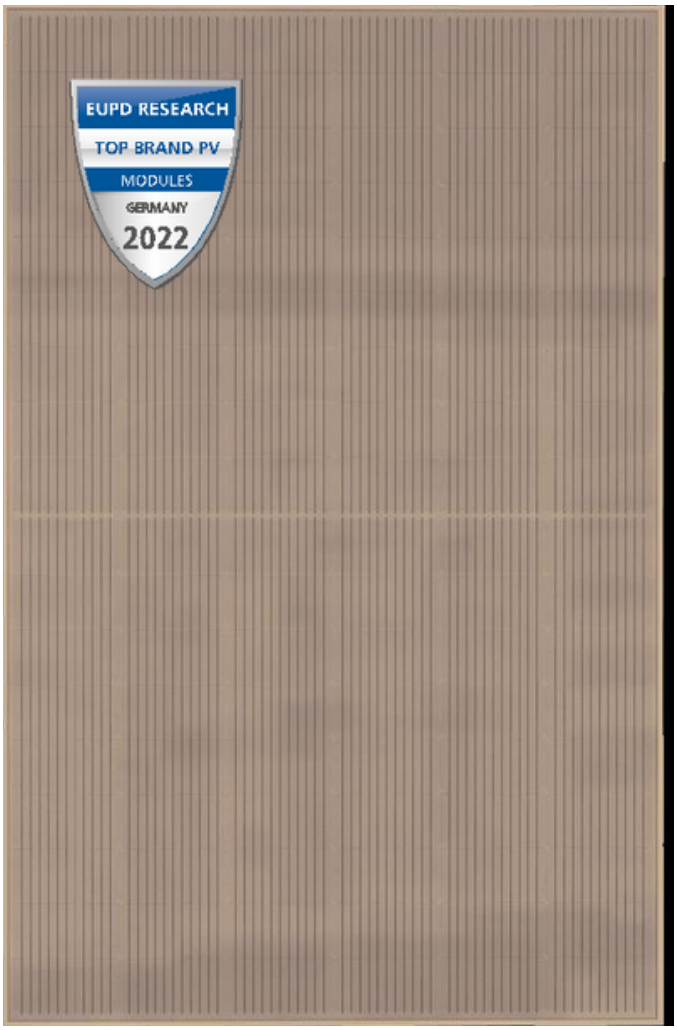
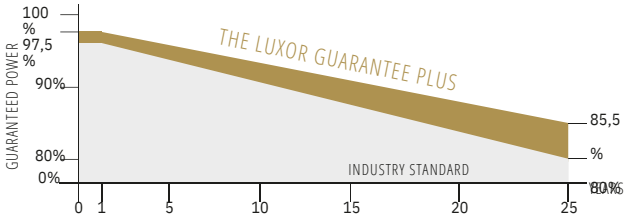
INFO GROUP GLOBAL ENERGY



+ HIGHER YIELD: REDUCTION OF ELECTRICAL RESISTANCE
+ REDUCED LOSSES DURING PARTIAL SHADING
+ HIGH CLASS APPEARANCE: EASY INTEGRATION IN BUILDINGS
+ APPLICATIONS: RESIDENTIAL
+ ECO: ESPEACIALLY ECONOMIC AND RELIABLE

15 YEARS
product guarantee1

25 YEARS
linear performance guarantee1



ECO LINE HALF CELL FULL BLACK
M108 / 395 - 415 W

MONOCRYSTALLINE MODULE FAMILY

Longlife tested
- Selection of components
- Cross-linking degree test

Power proofed
- Performance surplus of 0 Wp to 6.49 Wp
- 100% PID free cells

Safety provided
- Special packing to avoid micro cracks in the cells
- German warrantor

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ECO LINE HALF CELL FULL BLACK M108 / 395 - 415 W

Monocrystalline module family — Module type LX - XXXM/182-108+ | 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	4 01.49	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	20.54%	20.79%	21.05%	21.30%	21.56%
Efficiency at 200 W/m2	19.98%	20.24%	20.48%	20.73%	20.98%

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 [V]	1000 V or 1500 V
Max. return current [I]	25 A
Operating Temperature	- 40 to 85°C
Safety class	II
Max. tested pressure load [Pa]2	5400
Max. tested tensile load [Pa]2	2400

Temperature coefficient

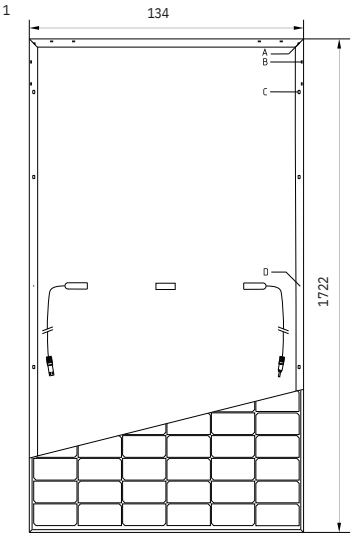
Temperature coefficient [V] | [I] | [P]	-0.285 %/°C | 0.049 %/°C | -0.360 %/°C

Specifications

Number of cells (matrix)	108 (6 x 18) I 182 x 91 mm
Module dimensions (LxWxH)3 | Weight	1722 mm x 1134 mm x 30 mm | 21.5 kg
Front-side glass	3.2 mm tempered highly transparent, anti-reflection solar
Frame	glass stable, anodised aluminium frame
Junction Box	At least IP67
Cable	symmetrical cable lengths > 1.1 m and 1.1 m, 4 mm2 solar
Diodes	cable 3 Schottky Diodes
Plug-in connection	MC4 or equivalent (IP67)
Hail test (max. hailstorm)	∅ 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 dimensions of holes on request

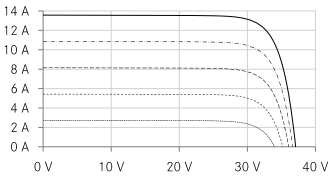
Back - /Front - view3



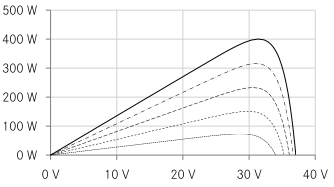
Drilled holes4 A: 4 x drainage
B: 16 x ventilation
C: 8 x mounting D: 2 x earthing

Electrical characteristics

UI-diagram e.g. LX-400M/182-108+



UP-diagram e.g. LX-400M/182-108+



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