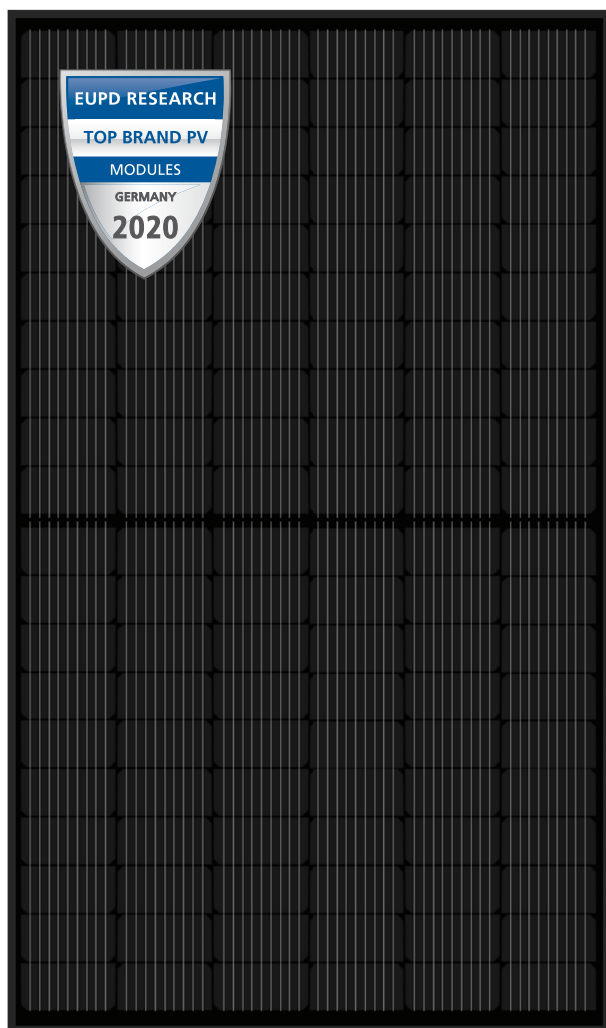


LUXOR

solar module manufacturer since 2007



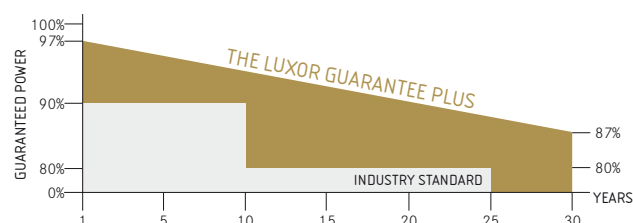
- + DOUBLE GLASS: HIGHER MECHANICAL STABILITY AND FIRE SAFETY
- + REDUCED LOSSES DURING PARTIAL SHADING
- + APPLICATION: WHEREVER LONGEVITY AND ROBUSTNESS ARE REQUIRED
- + ECO: ESPECIALLY ECONOMIC AND RELIABLE



product guarantee¹



linear performance guarantee¹



ECO LINE HALF CELL GLASS-GLASS

M120 / 345 - 365 W

MONOCRYSTALLINE MODULE FAMILY, FULL BLACK



Longlife tested



Power proofed



Safety provided



Selection of components



Cross-linking degree test



Performance surplus of 0 Wp to 6.49 Wp



100% PID free cells



Special packing to avoid micro cracks in the cells



German warrantor

ECO LINE HALF CELL GLASS-GLASS M120 / 345 - 365 W

Monocrystalline module family

Module type LX - XXXM/166-120+ | XXX = Rated power Pmpp

Electrical data at STC

Rated power Pmpp [Wp]	345,00	350,00	355,00	360,00	365,00
Pmpp range to	351,49	356,49	361,49	366,49	371,49
Rated current Impp [A]	10,38	10,46	10,54	10,62	10,69
Rated voltage Vmpp [V]	33,27	33,49	33,72	33,94	34,17
Short-circuit current Isc [A]	10,96	11,05	11,13	11,21	11,29
Open-circuit voltage Uoc [V]	39,61	39,87	40,14	40,41	40,68
Efficiency at STC up to	19.29%	19.57%	19.84%	20.12%	20.39%
Efficiency at 200 W/m ²	18.73%	19.00%	19.28%	19.55%	19.81%

Electrical data at NOCT

Power at Pmpp [Wp]	255,91	259,96	264,06	268,21	272,15
Rated current Impp [A]	8,30	8,37	8,44	8,52	8,58
Rated voltage Vmpp [V]	30,84	31,07	31,28	31,49	31,70
Short-circuit current Isc [A]	8,85	8,92	8,99	9,06	9,12
Open-circuit voltage Uoc [V]	36,56	36,82	37,07	37,34	37,60

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]	20 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% /°
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Specifications

Number of cells (matrix)	120 (6 x 20) 166 mm x 83 mm
Module dimensions (LxWxH) ³ Weight	1755 mm x 1038 mm x 30 mm 23,5 kg
Front-side glass	2 mm hardened solar glass with low iron content
Back-side glass	2 mm hardened solar glass
Frame	stable, anodised aluminium frame
Junction Box	At least IP67
Cable	symmetrical cable lengths > 1.1 m and 1.1 m, 4 mm ² solar cable
Diodes	3 Schottky Diodes
Plug-in connection	MC4 or equivalent (IP67)
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 corresponds to DIN EN 50380. A potential light-induced degradation of the power after commissioning is not considered here. Further information in the installation manuals.

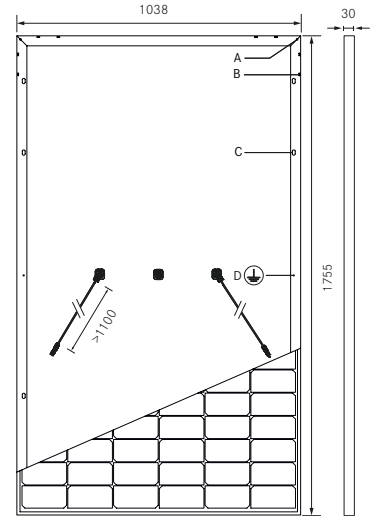
1 The specific warranty conditions are given under www.luxor.solar/downloads.html

2 Horizontal mounted

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 - / Side view³

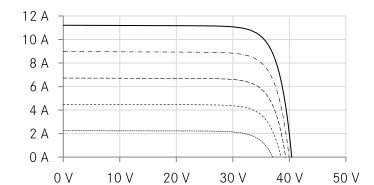


Drilled holes⁴

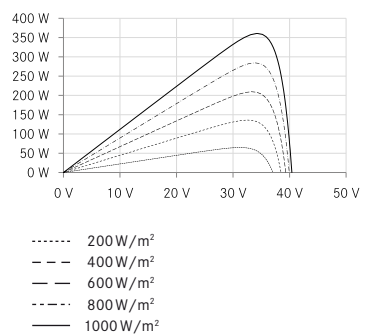
- A: 4 x drainage
- B: 16 x ventilation
- C: 8 x mounting
- D: 2 x earthing

Electrical characteristics

UI-diagram e.g. LX-350M/166-120+ GG



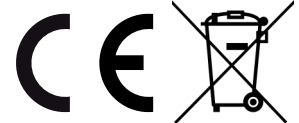
UP-diagram e.g. LX-350M/166-120+ GG



Luxor, your specialised company



IEC
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