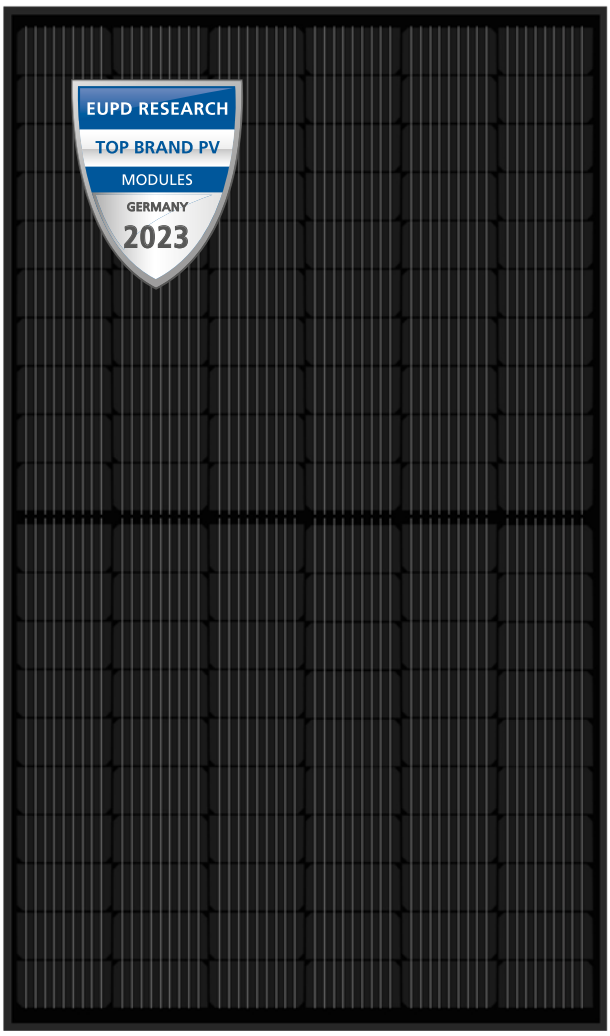
LUXOR

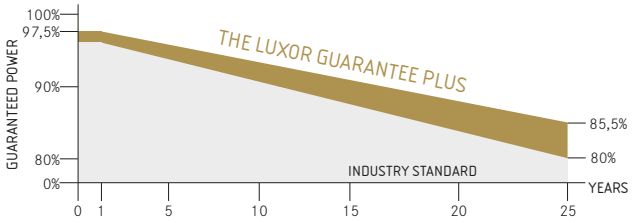
solar module manufacturer since 2007



- 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 guarantee[1]

25 YEARS
linear performance guarantee[1]



ECO LINE HALF CELL
M120 / 360 - 380 W

MONOCRYSTALLINE MODULE FAMILY, FULL BLACK

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

Luxor Solar GmbH | Kornbergstraße 29 | 70176 Stuttgart | Germany | T+49.711.88 888-999 | info@luxor-solar.com | www.luxor-solar.com

ECO LINE HALF CELL M120 / 360 - 380 W

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

Electrical data at STC

Rated power Pmpp [Wp]	360.00	365.00	370.00	375.00	380.00
Pmpp range to	366.49	371.49	376.49	381.49	386.49
Rated current Impp [A]	10.62	10.69	10.77	10.84	10.91
Rated voltage Vmpp [V]	33.94	34.17	34.40	34.63	34.86
Short-circuit current Isc [A]	11.21	11.29	11.37	11.45	11.52
Open-circuit voltage Uoc [V]	40.41	40.68	40.95	41.23	41.50
Efficiency at STC up to	20.12%	20.39%	20.67%	20.94%	21.22%
Efficiency at 200 W/m²	19.52%	19.78	20.06%	20.32%	20.59%

Electrical data at NOCT

Power at Pmpp [Wp]	268.21	272.15	274.54	279.31	283.38
Rated current Impp [A]	8.52	8.58	8.61	8.69	8.76
Rated voltage Vmpp [V]	31.49	31.70	31.88	32.13	32.35
Short-circuit current Isc [A]	9.06	9.12	9.19	9.25	9.31
Open-circuit voltage Uoc [V]	37.34	37.60	37.80	38.09	38.36

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

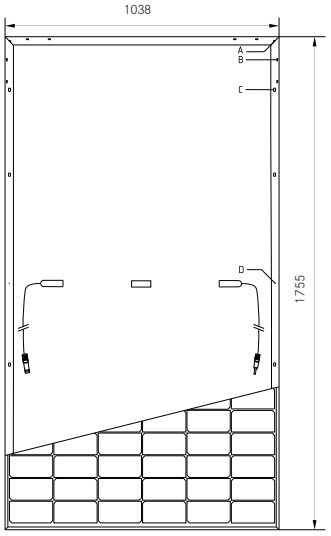
Temperature coefficient

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

Specifications

Number of cells (matrix)	120 (6 x 20) I 166 mm x 83 mm
Module dimensions (LxWxH)³ | Weight	1755 mm x 1038 mm x 30 mm | 19.5 kg
Front-side glass	3.2 mm tempered highly transparent, anti-reflection solar glass
Frame	stable, anodised aluminium frame
Junction Box	At least IP67
Cable	symmetrical cable lengths > 1.1 m and 1.1 m, 4 mm² 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

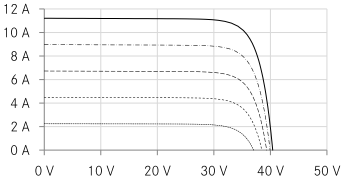
Back - / Front - view³



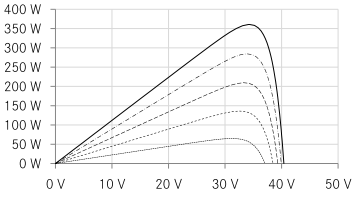
Drilled holes⁴
A: 4 x drainage
B: 16 x ventilation
C: 8 x mounting
D: 2 x earthing

Electrical characteristics

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



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



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

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

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.com/downloads.html