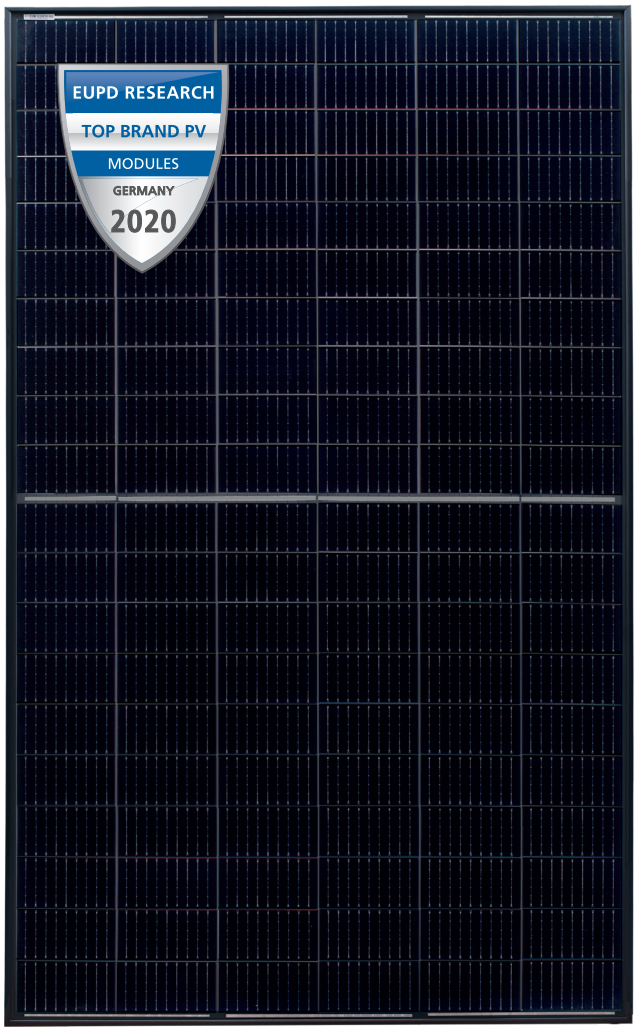
Solar Module
Manufacturer
Since 2004

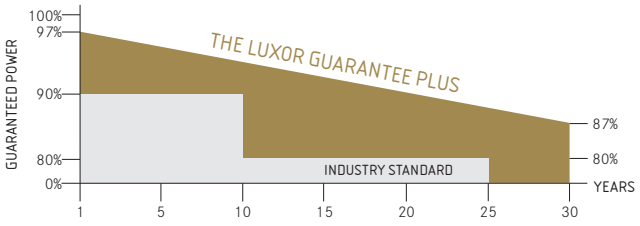
LUXOR
the sunshine people



+ 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

30 YEARS
product guarantee[1]

30 YEARS
linear performance guarantee[1]



ECO LINE HALF CELL GLASS-GLASS
M120 / 320 - 340 W

MONOCRYSTALLINE MODULE FAMILY, BLACK

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

M120 / 320 - 340 W

Monocrystalline module family | Module type LX - XXXM/158-120+ GG | XXX = Rated power Pmpp

Electrical data at STC

Rated power Pmpp [Wp]	320.00	325.00	330.00	335.00	340.00
Pmpp range to	326.49	331.49	336.49	341.49	346.49
Rated current Impp [A]	9.71	9.77	9.83	9.89	9.95
Rated voltage Vmpp [V]	32.99	33.29	33.59	33.89	34.20
Short-circuit current Isc [A]	10.17	10.23	10.29	10.36	10.42
Open-circuit voltage Uoc [V]	39.23	39.59	39.94	40.30	40.66
Efficiency at STC up to	19.01%	19.30%	19.59%	19.88%	20.17%
Efficiency at 200 W/m²	18.44%	18.72%	19.01%	19.30%	19.59%

Electrical data at NOCT

Power at Pmpp [Wp]	236.44	240.36	244.35	248.39	252.48
Rated current Impp [A]	7.76	7.82	7.87	7.93	7.99
Rated voltage Vmpp [V]	30.46	30.75	31.03	31.32	31.60
Short-circuit current Isc [A]	8.21	8.26	8.31	8.36	8.42
Open-circuit voltage Uoc [V]	36.21	36.55	36.89	37.23	37.58

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]	-0.30% /°C | 0.055% /°C | -0.40% /°C

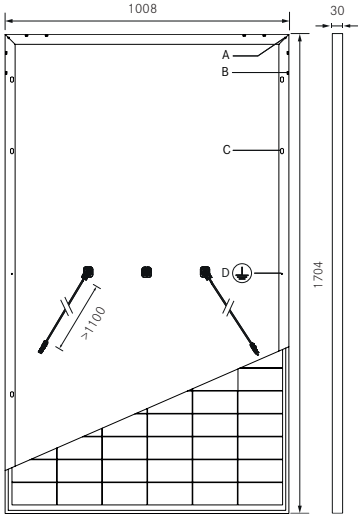
Specifications

Number of cells (matrix)	120 (6 x 20) | 158 mm x 79 mm
Module dimensions (L x W x H)[3] | Weight	1704 mm x 1008 mm x 30 mm | 26 kg
Front-side glass	2.5 mm tempered, highly transparent, anti-reflection solar glass
Back-side glass	2.5 mm tempered, highly transparent 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
Connectors	MC4 or equivalent with 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 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.com/download.htm
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

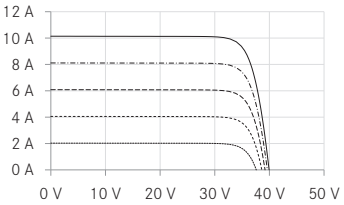
Back - / Front -/ Side view[3]



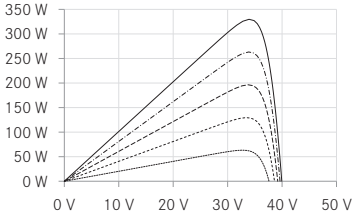
Drilled holes[4]
A: 4 x drainage
B: 16 x ventilation
C: 8 x mounting
D: 2 x earthing

Electrical characteristics

UI-diagram e.g. LX-330M/158-120+ GG



UP-diagram e.g. LX-330M/158-120+ GG



200 W/m²
400 W/m²
600 W/m²
800 W/m²
1000 W/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.com/download.htm