



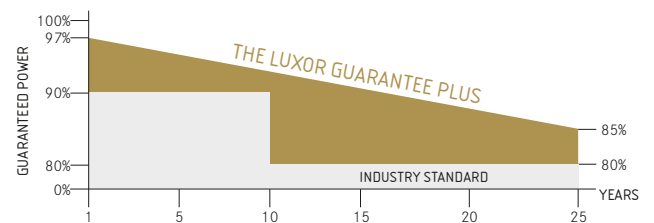
- + TRIPLE CELL: OPTIMIZED CURRENT FOR EASY SYSTEM PLANNING AND REDUCTION OF ELECTRICAL LOSSES
- + HIGHER YIELD: MORE REFLECTION ON CELL SURFACE
- + APPLICATIONS: INDUSTRIAL AND COMMERCIAL POWER PLANTS
- + ECO: ESPECIALLY ECONOMIC AND RELIABLE



product guarantee¹



linear performance guarantee¹



ECO LINE TRIPLE CELL

M150 / 495 - 515 W

MONOCRYSTALLINE MODULE FAMILY



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 TRIPLE CELL M150 / 495 - 515 W

Monocrystalline module family

Module type LX - XXXM/210-150+ | XXX = Rated power Pmpp

Back - / Front -/ Side view³

Electrical data at STC

Rated power Pmpp [Wp]	495.00	500.00	505.00	510.00	515.00
Pmpp range to	501.49	506.49	511.49	516.49	521.49
Rated current Impp [A]	11.62	11.68	11.73	11.79	11.85
Rated voltage Vmpp [V]	42.63	42.85	43.06	43.27	43.49
Short-circuit current Isc [A]	12.21	12.27	12.32	12.38	12.45
Open-circuit voltage Uoc [V]	51.52	51.78	52.04	52.30	52.56
Efficiency at STC up to	20.90%	21.11%	21.32%	21.53%	21.74%
Efficiency at 200 W/m ²	20.39%	20.60%	20.79%	21.00%	21.21%

Electrical data at NOCT

Power at Pmpp [Wp]	367.49	371.20	374.91	378.62	382.34
Rated current Impp [A]	9.39	9.44	9.48	9.52	9.57
Rated voltage Vmpp [V]	39.15	39.34	39.56	39.75	39.94
Short-circuit current Isc [A]	9.86	9.91	9.95	10.00	10.06
Open-circuit voltage Uoc [V]	47.55	47.81	48.06	48.32	48.57

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
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Specifications

Number of cells (matrix)	150 (5x30) 210 mm x 70 mm
Module dimensions (LxWxH) ³ Weight	2185 mm x 1098 mm x 35 mm 26.3 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 > 1.3 m and 1.3 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

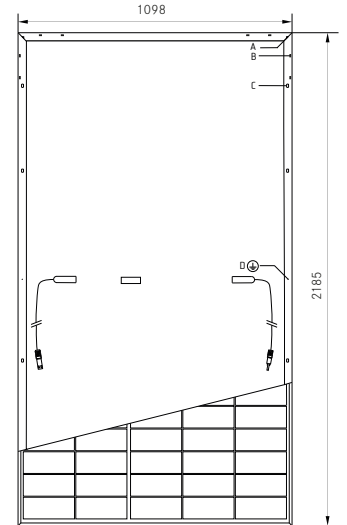
The specifications and average values can vary slightly. Relevant is the corresponding data of the individual measurement. Specifications are subject to change without notice. Measurement tolerance depending on equipment: rated power +/- 3%, other values +/- 10%. All information given in this data sheet 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

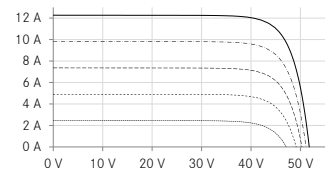


Drilled holes⁴

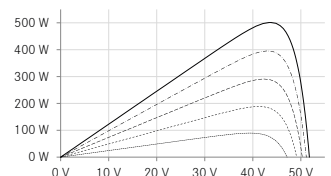
- A: 4 x drainage
- B: 16 x ventilation
- C: 8 x mounting
- D: 2 x earthing

Electrical characteristics

UI-diagram e.g. LX-500M/210-150+



UP-diagram e.g. LX-500M/210-150+

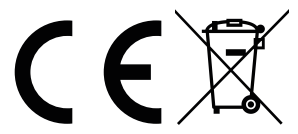


- 200 W/m²
- 400 W/m²
- - - 600 W/m²
- 800 W/m²
- 1000 W/m²

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