



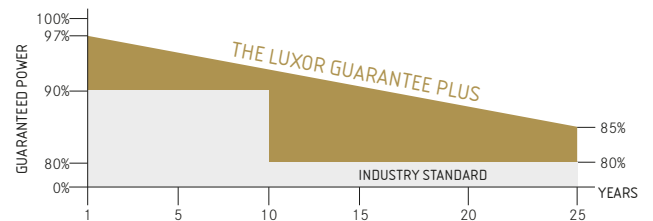
- + HIGHER YIELD: REDUCTION OF ELECTRICAL RESISTANCE
- + REDUCED LOSSES DURING PARTIAL SHADING
- + HIGH CLASS APPEARANCE: EASY INTEGRATION IN BUILDINGS
- + APPLICATIONS: RESIDENTIAL
- + ECO: ESPECIALLY ECONOMIC AND RELIABLE



product guarantee<sup>1</sup>



linear performance guarantee<sup>1</sup>



## ECO LINE HALF CELL

## M132 / 655 - 675 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 HALF CELL M132 / 600 - 620 W

Monocrystalline module family

Module type LX - XXXM/210-120+ | XXX = Rated power P<sub>mpp</sub>

Back - / Front -/ Side view<sup>3</sup>

## Electrical data at STC

Rated power P <sub>mpp</sub> [Wp]	655.00	660.00	665.00	670.00	675.00
P <sub>mpp</sub> range to	661.49	666.49	671.49	676.49	681.49
Rated current I <sub>mpp</sub> [A]	17.43	17.44	17.46	17.47	17.49
Rated voltage V <sub>mpp</sub> [V]	37.60	37.85	38.11	38.36	38.62
Short-circuit current I <sub>sc</sub> [A]	18.41	18.42	18.44	18.45	18.47
Open-circuit voltage U <sub>oc</sub> [V]	44.76	45.06	45.36	45.67	45.97
Efficiency at STC up to	21.29%	21.46%	21.62%	21.78%	21.94%
Efficiency at 200 W/m <sup>2</sup>	20.83%	20.99%	20.15%	21.15%	21.47%

## Electrical data at NOCT

Power at P <sub>mpp</sub> [Wp]	486.27	489.98	493.70	497.41	501.12
Rated current I <sub>mpp</sub> [A]	14.08	14.09	14.10	14.11	14.13
Rated voltage V <sub>mpp</sub> [V]	34.53	34.78	35.00	35.24	35.47
Short-circuit current I <sub>sc</sub> [A]	14.87	14.88	14.89	14.90	14.92
Open-circuit voltage U <sub>oc</sub> [V]	41.32	41.61	41.90	42.19	42.49

Specification as per STC (Standard test conditions): irradiance 1000 W/m<sup>2</sup> | module temperature 25°C | Air Mass = 1.5  
 NOCT (nominal operating cell temperature): irradiance 800 W/m<sup>2</sup> | 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]	1500 V
Max. return current [I]	30 A
Operating Temperature	-40 to 85°C
Safety class	II
Max. tested pressure load [Pa] <sup>2</sup>	5400
Max. tested tensile load [Pa] <sup>2</sup>	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)	132 (6x22)   210 mm x 105 mm
Module dimensions (LxWxH) <sup>3</sup>   Weight	2384 mm x 1303 mm x 35 mm   34 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 4 mm <sup>2</sup> solar cable
Diodes	3 Schottky Diodes
Plug-in connection	MC4 or equivalent (IP67)
Hail test (max. hailstorm)	∅ 45 mm   impact velocity 23 m/s ± 83 km/h

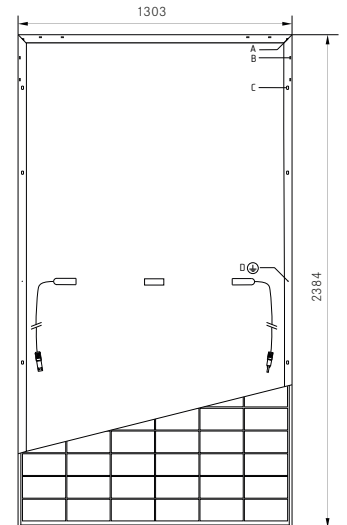
The specifications and average values can vary slightly. Relevant is the corresponding data of the individual measurement. Specifications are subject to change without notice. Measurement tolerance depending on equipment: rated power +/- 3%, other values +/- 10%. All information given in this data sheet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

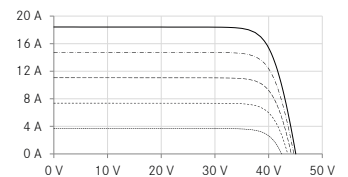
4 Location and dimensions of holes on request



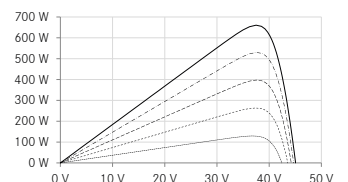
Drilled holes<sup>4</sup> A: 4 x drainage  
 B: 16 x ventilation  
 C: 8 x mounting  
 D: 2 x earthing

## Electrical characteristics

UI-diagram e.g. LX-660M/210-120+



UP-diagram e.g. LX-660M/210-120+



----- 200 W/m<sup>2</sup>  
 - - - - 400 W/m<sup>2</sup>  
 - - - - 600 W/m<sup>2</sup>  
 - - - - 800 W/m<sup>2</sup>  
 ———— 1000 W/m<sup>2</sup>

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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](http://www.luxor.solar/downloads.html)