

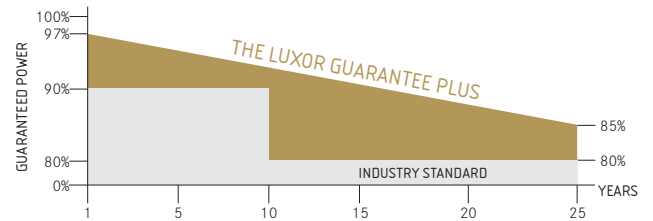
- + LARGE ALL-ROUNDER IN THE DIMENSIONS 1:2
- + APPLICATIONS: INDUSTRIAL, COMMERCIAL AND RESIDENTIAL POWER PLANTS
- + ECO: ESPECIALLY ECONOMIC AND RELIABLE



product guarantee<sup>1</sup>



linear performance guarantee<sup>1</sup>



# ECO LINE

## M72/365 - 385 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 M72/365 - 385 W

Monocrystalline module family

Module type LX - XXXM/156-72+ | XXX = Rated power Pmpp

## Electrical data at STC

Rated power Pmpp [Wp]	365.00	370.00	375.00	380.00	385.00
Pmpp range to	371.49	376.49	381.49	386.49	391.49
Rated current Impp [A]	9.42	9.48	9.54	9.59	9.65
Rated voltage Vmpp [V]	38.77	39.06	39.35	39.65	39.94
Short-circuit current Isc [A]	9.95	10.01	10.07	10.13	10.19
Open-circuit voltage Uoc [V]	46.88	47.23	47.58	47.94	48.30
Efficiency at STC up to	19.15%	19.40%	19.66%	19.92%	20.18%
Efficiency at 200 W/m <sup>2</sup>	18.07%	18.37%	18.67%	18.96%	19.27%

## Electrical data at NOCT

Power at Pmpp [Wp]	225.45	229.26	233.37	237.29	241.52
Rated current Impp [A]	7.43	7.48	7.55	7.60	7.67
Rated voltage Vmpp [V]	30.35	30.65	30.93	31.21	31.49
Short-circuit current Isc [A]	7.85	7.90	7.96	8.02	8.08
Open-circuit voltage Uoc [V]	36.09	36.43	36.77	37.11	37.46

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]	1000 V or 1500 V
Max. return current [I]	15 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]	-0.30% /°C   0.06% /°C   -0.40% /°C
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## Specifications

Number of cells (matrix)	72 (6 x 12), three strings in a row   156 mm x 156 mm
Module dimensions (LxWxH) <sup>3</sup>   Weight	1956 mm x 992 mm x 40 mm   23,2 kg
Front-side glass	3.2 mm tempered highly transparent, anti-reflection solar glass
Frame	stable, anodised aluminium frame
Junction Box	At least IP65
Cable	4 mm <sup>2</sup> solar cable, cable length 1.3 m
Diodes	3 Schottky Diodes 15A/45V
Plug-in connection	MC4 or equivalent with 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.

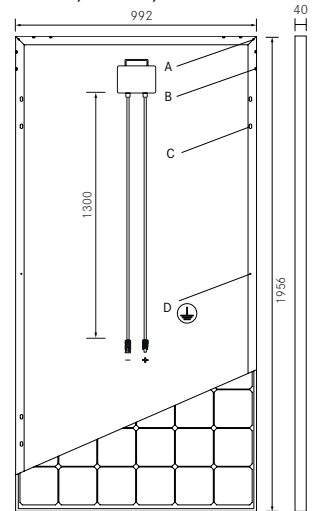
1 The specific warranty conditions are given under [www.luxor-solar.com/download.htm](http://www.luxor-solar.com/download.htm)

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<sup>3</sup>

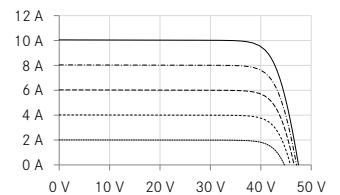


## Drilled holes<sup>4</sup>

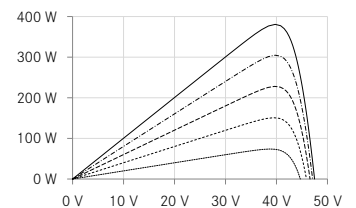
- A: 4 x drainage
- B: 16 x ventilation
- C: 8 x mounting
- D: 2 x earthing

## Electrical characteristics

UI-diagram e.g. LX-370M/156-72+



UP-diagram e.g. LX-370M/156-72+



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

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.com/download.htm](http://www.luxor-solar.com/download.htm)