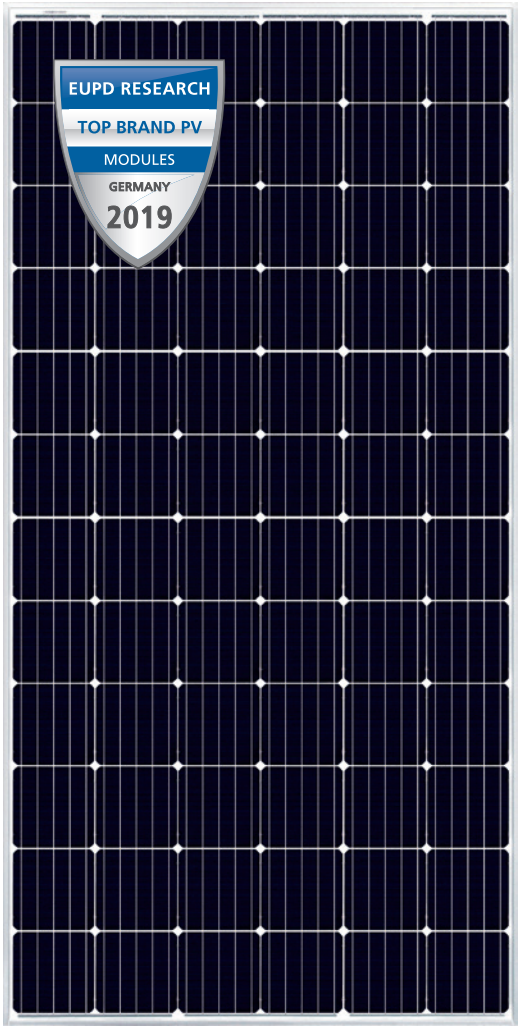
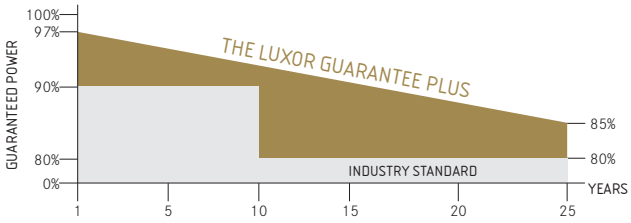
LUXOR
the sunshine people



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

15 YEARS
product guarantee[1]

25 YEARS
linear performance guarantee[1]



ECO LINE
M72/365 - 385 W

MONOCRYSTALLINE MODULE FAMILY

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

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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/m²	18.07%	18.37%	18.67%	18.96%	19.27%

Electrical data at NOCT

Power at Pmpp [Wp]	269.52	273.64	277.81	281.74	286.02
Rated current Impp [A]	7.53	7.58	7.64	7.69	7.75
Rated voltage Vmpp [V]	35.79	36.08	36.36	36.63	36.91
Short-circuit current Isc [A]	8.03	8.08	8.13	8.18	8.23
Open-circuit voltage Uoc [V]	43.27	43.61	43.95	44.29	44.64

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]	15 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 | 0.06% /°C | -0.40% /°C

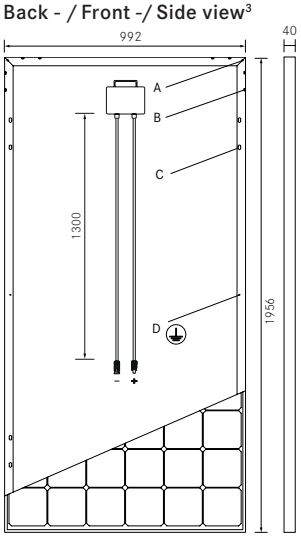
Specifications

Number of cells (matrix)	72 (6 x 12), three strings in a row I 156 mm x 156 mm
Module dimensions (LxWxH)[3] | 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 mm² 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)	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

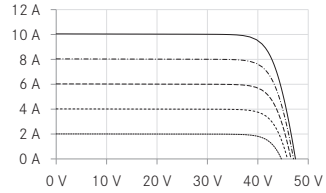
Back - / Front -/ Side view[3]



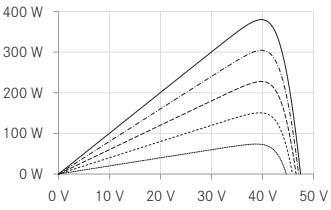
Drilled holes[4]
A: 4 x drainage
B: 16 x ventilation
C: 8 x mounting
D: 2 x earthing

Electrical characteristics

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



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



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

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/download.htm