

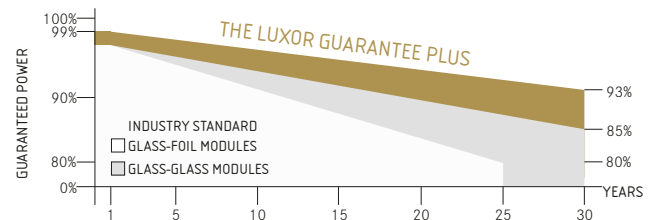
- + POWERFUL HETEROJUNCTION CELLS
- + DOUBLE GLASS: HIGHER MECHANICAL STABILITY AND FIRE SAFETY
- + BIFACIAL: DOUBLE-SIDED POWER GENERATION FOR MORE YIELD
- + REDUCTION OF BALANCE-OF-SYSTEM-COSTS THROUGH HIGHER PERFORMANCE PER MODULE
- + ESPECIALLY ECONOMIC FOR COMMERCIAL SYSTEMS



product guarantee<sup>1</sup>



linear performance guarantee<sup>1</sup>



## ECO LINE HJT GLASS-GLASS HC BIFACIAL

### M120 / 385-405 W

MONOCRYSTALLINE HJT MODULE FAMILY, WHITE MESH, FRAMELESS



Longlife tested



Power proofed



Safety provided



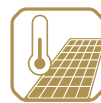
Selection of components



Back glass



Performance surplus of 0 Wp to 6.49 Wp



Higher heat dispensing



PID free  
LID free



German warrantor

# ECO LINE HJT GLASS-GLASS HALF CELL BIFACIAL

## M120 / 385-405 W, HJT, WHITE MESH, FRAMELESS

Module type LX - XXXM/166-120+ GG BiF | XXX = Rated power Pmpp

### Electrical data at STC

Rated power Pmpp [Wp]	385.00	390.00	395.00	400.00	405.00
Pmpp range to	391.49	396.49	401.49	406.49	411.49
Rated current Impp [A]	10.15	10.24	10.33	10.42	10.51
Rated voltage Vmpp [V]	37.95	38.10	38.25	38.40	38.55
Short-circuit current Isc [A]	10.80	10.89	10.99	11.09	11.18
Open-circuit voltage Uoc [V]	44.65	44.82	45.00	45.18	45.35
Efficiency at STC up to	21.51%	21.79%	22.06%	22.33%	22.61%
Efficiency at 200 W/m <sup>2</sup>	21.00%	21.20%	21.50%	21.80%	22.00%

### Electrical data at NOCT

Power at Pmpp [Wp]	293.22	297.02	300.83	304.64	308.45
Rated current Impp [A]	8.18	8.26	8.33	8.40	8.48
Rated voltage Vmpp [V]	35.85	35.96	36.11	36.27	36.37
Short-circuit current Isc [A]	8.71	8.78	8.86	8.94	9.02
Open-circuit voltage Uoc [V]	42.10	42.28	42.46	42.65	42.82

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

### Bifacial Gain\* (e.g. 390Wp)

Backside power gain [Wp]	5%	10%	15%	20%	25%
Rated power Pmpp [Wp]	409.50	429.00	448.50	468.00	487.50
Rated current Impp [A]	10.75	11.26	11.78	12.29	12.80
Rated voltage Vmpp [V]	38.10	38.10	38.10	38.10	38.10
Short-circuit current Isc [A]	11.43	11.98	12.52	13.07	13.61
Open-circuit voltage Uoc [V]	44.82	44.82	44.82	44.83	44.83

\*depending on the reflection of the underlying surface

### Limiting values

Max. system voltage   max. return current	1500 V   20 A
Safety class   Fire safety class	II   A (according to IEC 61730)
Operating Temperature	-40 bis 85°C
Max. tested pressure load-/tensile <sup>2</sup>	2400 Pa / 1600 Pa

### Temperature coefficient

Temperature coefficient [U]   [I]   [P]	-0.26% /°C   0.04% /°C   -0.24% /°C
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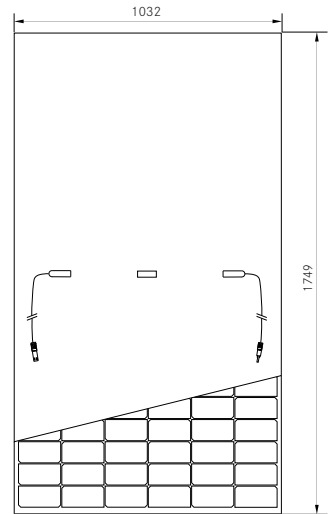
### Specifications

Number of cells (matrix)	120 (6 x 20)   166 mm x 83 mm
Module dimensions (L x W x H) <sup>3</sup>   Weight	1749 mm x 1032 mm x 5 mm   21.5 kg
Bifaciality factor <sup>4</sup>	Up to 83%
Front-side	2 mm tempered, highly transparent, anti-reflection solar glass
Back-side	2 mm tempered, highly transparent, white mesh print
Frame	frameless
Embedding material	EVA/POE
Junction Box	At least IP67
Cable	Symmetrical cable lengths > 1.1 m and 1.1 m, 4 mm <sup>2</sup> 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 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.

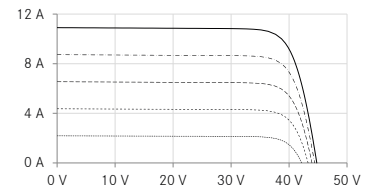
- The specific warranty conditions are given under [www.luxor.solar/downloads.html](http://www.luxor.solar/downloads.html)
- Horizontal mounted, for details please check mounting instruction
- Tolerance L/W = +/- 3 mm. H +/- 0.5 mm, the dimensions given in the order confirmation will be decisive
- Bifaciality degree: 80% +/- 3%

### Back - / Frontview<sup>3</sup>

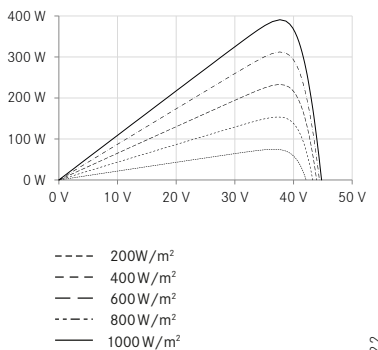


### Electrical characteristics

UI-diagram e.g. 390Wp



UP-diagram e.g. 390Wp



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)

Luxor, your specialised company