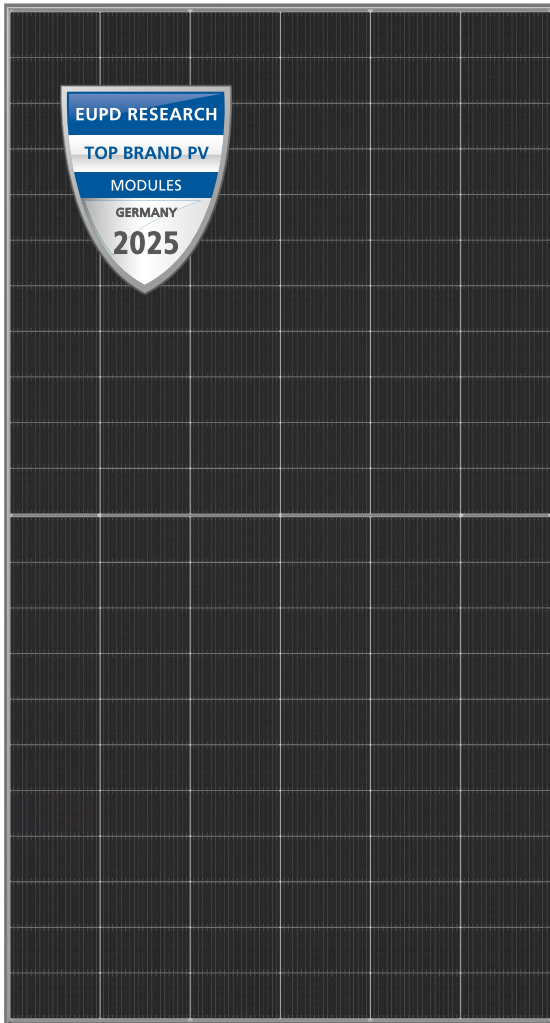


# LUXOR

solar module manufacturer



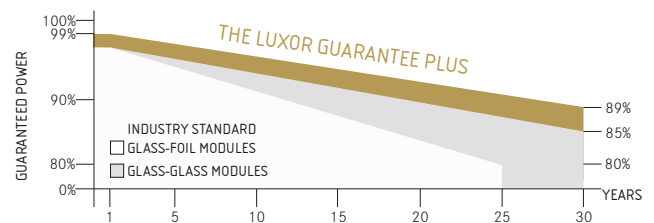
- + POWERFUL N-TYPE TOPCON CELLS
- + DOUBLE GLASS: HIGHER MECHANICAL AND THERMAL STABILITY
- + BIFACIAL: DOUBLE-SIDED POWER GENERATION FOR MORE YIELD
- + REDUCTION OF BALANCE-OF-SYSTEM-COSTS THROUGH HIGHER PERFORMANCE PER MODULE
- + APPLICATION: WHEREVER LONGEVITY AND ROBUSTNESS ARE REQUIRED



product guarantee<sup>1</sup>



linear performance guarantee<sup>1</sup>



## ECO LINE N-TYPE TOPCON GLASS-GLASS BIF

### M132 / 705 - 725W

MONOCRYSTALLINE N-TYPE MODULE FAMILY, WHITE MESH



Longlife tested



Power proofed



Safety provided



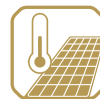
Selection of components



Back glass



Performance surplus of 0 Wp to 6.49 Wp



Higher heat dispensing



PID free  
LID Free



German warrantor

# ECO LINE N-TYPE TOPCON GLASS-GLASS BIFACIAL

## M132 / 705 - 725 W, SILVER FRAME, WHITE MESH

Module type

LX - XXXM/210-132+ GG | XXX = Rated power Pmpp

### Electrical data at STC

|                                    |        |        |        |        |        |
|------------------------------------|--------|--------|--------|--------|--------|
| Rated power Pmpp [Wp]              | 705.00 | 710.00 | 715.00 | 720.00 | 725.00 |
| Pmpp range to                      | 711.49 | 716.49 | 721.49 | 726.49 | 731.49 |
| Rated current Impp [A]             | 17.38  | 17.42  | 17.45  | 17.49  | 17.52  |
| Rated voltage Vmpp [V]             | 40.58  | 40.78  | 40.98  | 41.18  | 41.39  |
| Short-circuit current Isc [A]      | 18.49  | 18.53  | 18.56  | 18.61  | 18.64  |
| Open-circuit voltage Uoc [V]       | 49.13  | 49.37  | 49.61  | 49.85  | 50.11  |
| Efficiency at STC up to            | 22.90% | 23.07% | 23.23% | 23.39% | 23.55% |
| Efficiency at 200 W/m <sup>2</sup> | 22.46% | 22.63% | 22.78% | 22.94% | 23.10% |

### Electrical data at NOCT

|                               |        |        |        |        |        |
|-------------------------------|--------|--------|--------|--------|--------|
| Power at Pmpp [Wp]            | 531.29 | 535.06 | 538.82 | 542.59 | 546.36 |
| Rated current Impp [A]        | 14.03  | 14.06  | 14.09  | 14.12  | 14.14  |
| Rated voltage Vmpp [V]        | 37.87  | 38.06  | 38.24  | 38.43  | 38.64  |
| Short-circuit current Isc [A] | 14.93  | 14.96  | 14.98  | 15.02  | 15.05  |
| Open-circuit voltage Uoc [V]  | 45.35  | 45.58  | 45.82  | 46.06  | 46.31  |

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. 715 Wp)

|                               |        |        |        |        |        |
|-------------------------------|--------|--------|--------|--------|--------|
| Backside power gain [Wp]      | 5%     | 10%    | 15%    | 20%    | 25%    |
| Rated power Pmpp [Wp]         | 750.75 | 786.50 | 822.25 | 858.00 | 893.75 |
| Rated current Impp [A]        | 18.32  | 19.19  | 20.06  | 20.93  | 21.80  |
| Rated voltage Vmpp [V]        | 40.98  | 40.98  | 40.98  | 40.99  | 40.99  |
| Short-circuit current Isc [A] | 19.49  | 20.42  | 21.34  | 22.27  | 23.20  |
| Open-circuit voltage Uoc [V]  | 49.61  | 49.61  | 49.61  | 49.62  | 49.62  |

\*depending on the reflection of the underlying surface

### Limiting values

|                                                |                         |
|------------------------------------------------|-------------------------|
| Max. system voltage   max. return current      | 1000 V or 1500 V   30 A |
| Safety class   Fire safety class               | II   C (IEC 61730)      |
| Operating temperature                          | -40 up to 85 °C         |
| Max. tested pressure/tensile load <sup>2</sup> | 5400 Pa / 2400 Pa       |

### Temperature coefficient

|                                         |                                      |
|-----------------------------------------|--------------------------------------|
| Temperature coefficient [U]   [I]   [P] | -0.25 %/°C   0.045 %/°C   -0.29 %/°C |
|-----------------------------------------|--------------------------------------|

### Specifications

|                                         |                                                                  |
|-----------------------------------------|------------------------------------------------------------------|
| Cells (matrix)   Wafer   Type           | 132 (6x22)   M12   N-Type TOPCon                                 |
| Module dimensions (L x W x H)3   Weight | 2384 mm x 1303 mm x 33 mm   38.5 kg                              |
| Bifaciality factor <sup>5</sup>         | Up to 80%                                                        |
| Front side                              | 2.0 mm tempered highly transparent anti-reflection solar glass   |
| Back side                               | 2.0 mm tempered highly transparent glass, white mesh             |
| Frame                                   | Stable anodised aluminium frame                                  |
| Embedding material                      | POE / EVA                                                        |
| Junction Box   Diodes                   | At least IP67   3 Schottky Diodes                                |
| Cable                                   | Symmetrical cable lengths > 1.4 m, 4 mm <sup>2</sup> solar cable |
| Connectors                              | 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. 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)

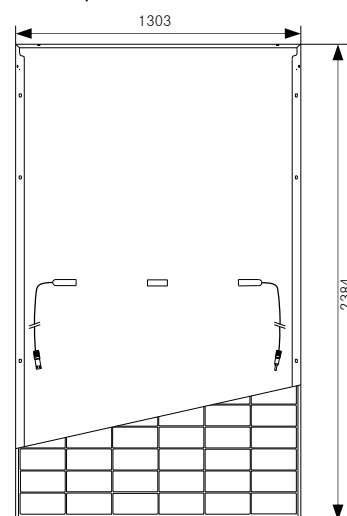
2 Horizontal mounted (IEC61215), for details please check mounting instruction

3 Tolerance L/W = +/- 3 mm, H +/- 2 mm, the dimensions given in the order confirmation will be decisive

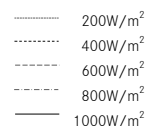
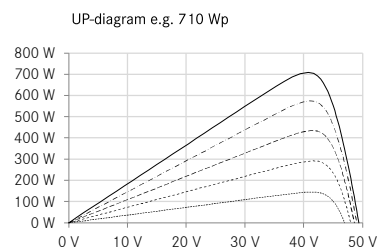
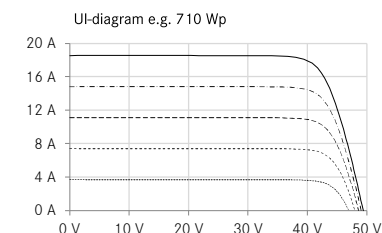
4 Location and dimensions of holes on request

5 N-Type TOPCon Bifaciality factor 77 +/- 3 %

Back - / Frontview <sup>3, 4</sup>



### Electrical characteristics



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)

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