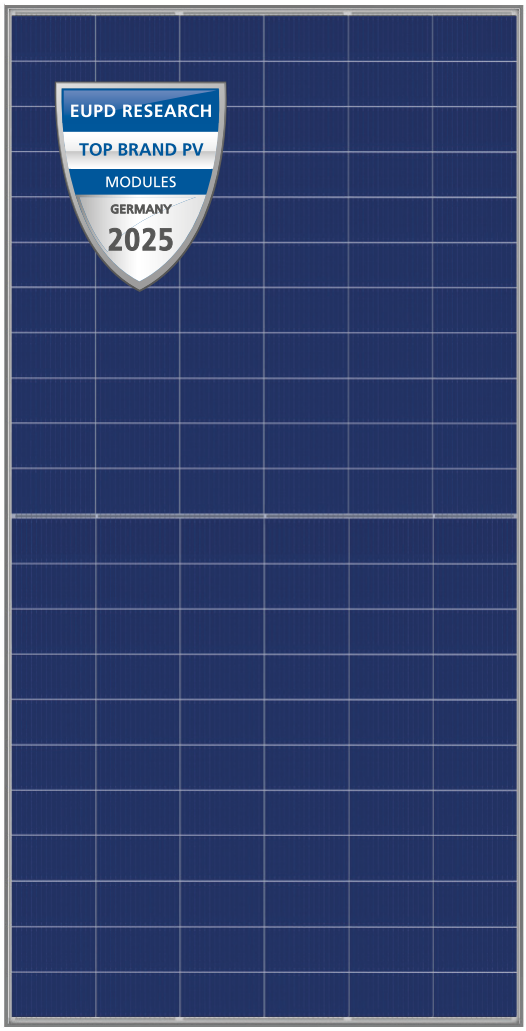
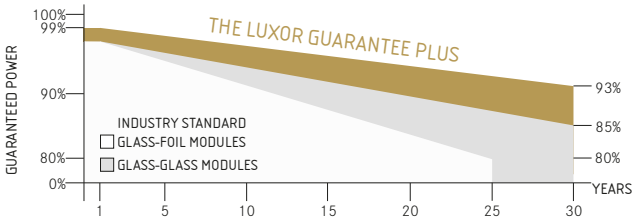
LUXOR
solar module manufacturer




+ POWERFUL N-TYPE HETEROJUNCTION CELLS
+ GLASS-GLASS: HIGHER MECHANICAL AND THERMAL STABILITY
+ BIFACIAL: DOUBLE-SIDED POWER GENERATION FOR MORE YIELD
+ REDUCTION OF BOS-COSTS THROUGH HIGHER PERFORMANCE PER MODULE
+ SPECIAL EDGE SEALING
+ ESPECIALLY DURABLE AND ROBUST

30 YEARS
product guarantee[1]

30 YEARS
linear performance guarantee[1]




# ECO LINE N-TYPE HJT GLASS-GLASS BIFACIAL

## M132 / 700 - 720 W

### MONOCRYSTALLINE MODULE FAMILY, WHITE MESH

Longlife tested

Edge-Sealing

Back glass

Power proofed

Performance surplus of 0 Wp to 6.49 Wp

Higher heat dispensing

Safety provided

PID free
LID free

German warrantor

Luxor Solar GmbH | Kornbergstraße 29 | 70176 Stuttgart | Germany | T+49.711.88 888-999 | info@luxor-solar.com | www.luxor.solar

# ECO LINE N-TYPE HJT GLASS-GLASS BIFACIAL

## M132 / 700 - 720 W, WHITE MESH

| Module type | LX - XXX M/210-132+ GG \| XXX = Rated power Pmpp |
|---|---|

**Electrical data at STC**

| | | | | | |
|---|---|---|---|---|---|
| Rated power Pmpp [Wp] | 700.00 | 705.00 | 710.00 | 715.00 | 720.00 |
| Pmpp range to | 706.49 | 711.49 | 716.49 | 721.49 | 726.49 |
| Rated current Impp [A] | 16.29 | 16.34 | 16.39 | 16.44 | 16.49 |
| Rated voltage Vmpp [V] | 43.00 | 43.17 | 43.34 | 43.51 | 43.68 |
| Short-circuit current Isc [A] | 17.33 | 17.38 | 17.44 | 17.49 | 17.54 |
| Open-circuit voltage Uoc [V] | 50.59 | 50.79 | 50.99 | 51.19 | 51.39 |
| Efficiency at STC up to | 22.74% | 22.90% | 23.07% | 23.23% | 23.39% |
| Efficiency at 200 W/m² | 22.32% | 22.48% | 22.64% | 22.80% | 22.96% |

**Electrical data at NOCT**

| | | | | | |
|---|---|---|---|---|---|
| Power at Pmpp [Wp] | 533.12 | 536.93 | 540.74 | 544.54 | 548.35 |
| Rated current Impp [A] | 13.14 | 13.18 | 13.22 | 13.26 | 13.30 |
| Rated voltage Vmpp [V] | 40.58 | 40.75 | 40.91 | 41.07 | 41.24 |
| Short-circuit current Isc [A] | 13.97 | 14.02 | 14.06 | 14.10 | 14.14 |
| Open-circuit voltage Uoc [V] | 46.69 | 46.89 | 47.09 | 47.29 | 47.49 |

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

**Bifacial Gain* (e.g. 710 Wp)**

| | | | | | |
|---|---|---|---|---|---|
| Backside power gain [Wp] | 5% | 10% | 15% | 20% | 30% |
| Rated power Pmpp [Wp] | 745.50 | 781.00 | 816.50 | 852.00 | 887.50 |
| Rated current Impp [A] | 17.20 | 18.02 | 18.84 | 19.65 | 20.47 |
| Rated voltage Vmpp [V] | 43.34 | 43.34 | 43.34 | 43.35 | 43.35 |
| Short-circuit current Isc [A] | 14.62 | 15.32 | 16.01 | 16.71 | 17.40 |
| Open-circuit voltage Uoc [V] | 50.99 | 50.99 | 50.99 | 51.00 | 51.00 |

*depending on the reflection of the underlying surface

**Limiting values**

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

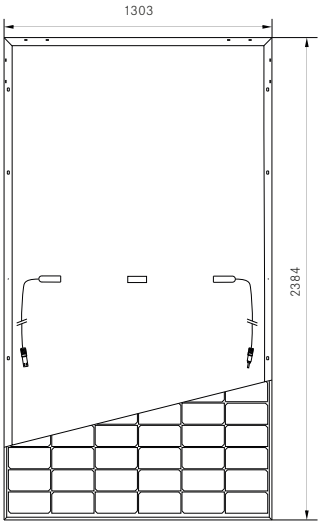
**Temperature coefficient**

| | |
|---|---|
| Temperature coefficient [U] \| [I] \| [P] | -0.26 %/°C \| 0.04 %/°C \| -0.24 %/°C |

**Specifications**

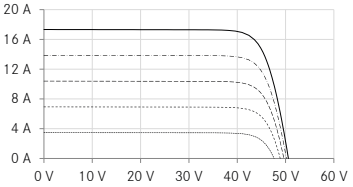
| | |
|---|---|
| Cells (matrix) \| Wafer \| Type | 132 (6 x 22) I M12, Half-Cell \| N-Type HJT |
| Module dimensions (L x W x H)[3] \| Weight | 2384 mm x 1303 mm x 33 mm \| 38.5 kg |
| Bifaciality factor[5] | Up to 88 % |
| Front-side glass | 2 mm semi tempered anti-reflection solar glass |
| Back-side | 2 mm semi tempered solar glass, white mesh |
| Frame | Stable anodised aluminium frame |
| Embedding material | EVA / POE |
| Junction Box \| Diodes | At least IP67 \| 3 Schottky Diodes |
| Cable | Asymmetrical cable lengths 0.35 mm & 0.25 mm, 4mm² solar cable |
| Connectors | MC4 or equivalent with IP67 |
| Hail test (max. hailstorm) | ⌀ 45 mm \| impact velocity 30.7 m/s ≙ 110.5 km/h |

**Back - / Frontview[3,4]**

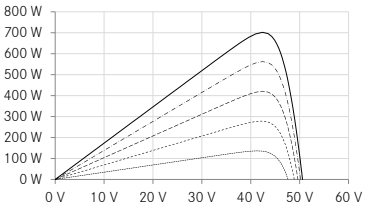



**Electrical characteristics**

UI -diagram e.g. 700 Wp




UP - diagram e.g. 700 Wp




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

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/downloads.html
2 Horizontal mounted, for details please check mounting instruction
3 Tolerance L/W = +/- 3 mm. H +/-2mm. the dimensions given in the order confirmation will be decisive
4 Location and dimensios of holes on request
5 Bifaciality factor 85 % +/- 3 %

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/downloads.html