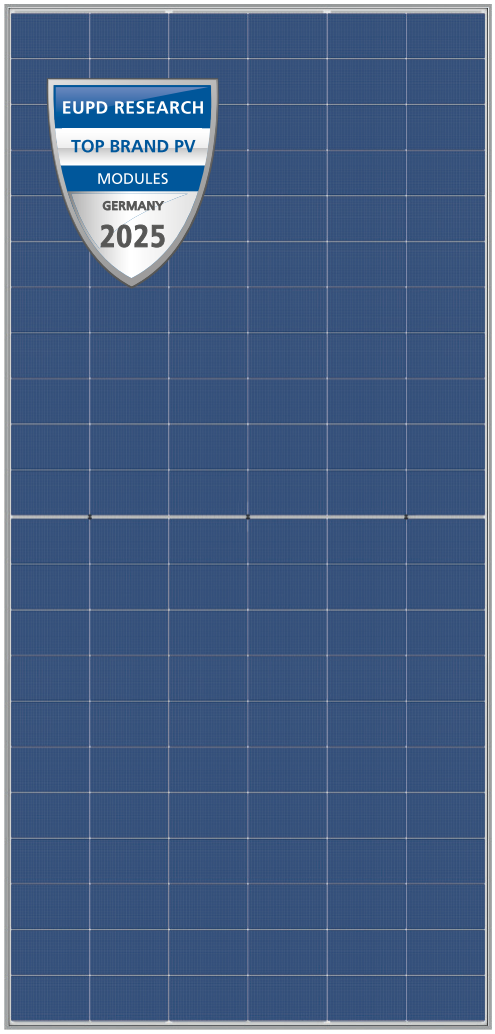
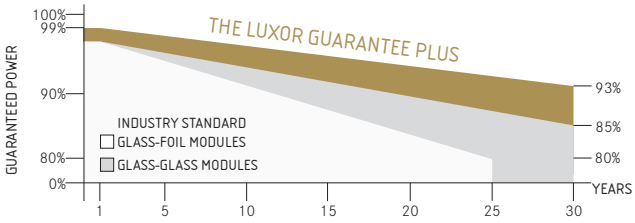
LUXOR
solar module manufacturer




- HIGHLY EFFICIENT 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 / 625 - 645 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

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# ECO LINE N-TYPE HJT GLASS-GLASS BIFACIAL

## M132 / 625 - 645 W, SILVER FRAME, WHITE MESH

| Module type | LX - XXXM/182R-132+ GG \| XXX = Rated power Pmpp |
|---|---|

**Electrical data at STC**

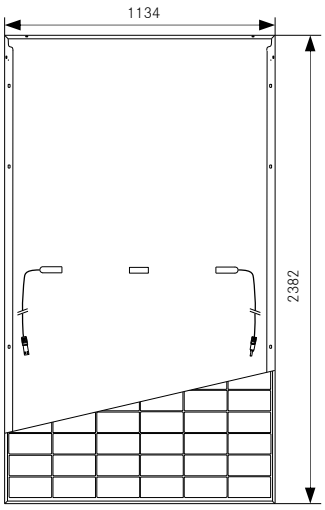
| | | | | | |
|---|---|---|---|---|---|
| Rated power Pmpp [Wp] | 625.00 | 630.00 | 635.00 | 640.00 | 645.00 |
| Pmpp range to | 631.49 | 636.49 | 641.49 | 646.49 | 651.49 |
| Rated current Impp [A] | 14.72 | 14.78 | 14.84 | 14.89 | 14.95 |
| Rated voltage Vmpp [V] | 42.48 | 42.65 | 42.82 | 42.99 | 43.16 |
| Short-circuit current Isc [A] | 15.66 | 15.72 | 15.79 | 15.84 | 15.90 |
| Open-circuit voltage Uoc [V] | 52.12 | 52.33 | 52.54 | 52.75 | 52.96 |
| Efficiency at STC up to | 23.38% | 23.56% | 23.75% | 23.93% | 24.12% |
| Efficiency at 200 W/m$^2$ | 22.92% | 23.10% | 23.29% | 23.46% | 23.65% |

**Electrical data at NOCT**

| | | | | | |
|---|---|---|---|---|---|
| Power at Pmpp [Wp] | 476.00 | 479.81 | 483.62 | 487.42 | 491.23 |
| Rated current Impp [A] | 11.87 | 11.92 | 11.97 | 12.01 | 12.06 |
| Rated voltage Vmpp [V] | 40.10 | 40.25 | 40.40 | 40.58 | 40.73 |
| Short-circuit current Isc [A] | 12.63 | 12.68 | 12.73 | 12.77 | 12.82 |
| Open-circuit voltage Uoc [V] | 48.11 | 48.32 | 48.53 | 48.74 | 48.95 |

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

Back - / Frontview [3, 4]




**Bifacial Gain* (e.g. 635 Wp)**

| | | | | | |
|---|---|---|---|---|---|
| Backside power gain [Wp] | 5% | 10% | 15% | 20% | 25% |
| Rated power Pmpp [Wp] | 666.75 | 698.50 | 730.25 | 762.00 | 793.75 |
| Rated current Impp [A] | 15.57 | 16.31 | 17.05 | 17.79 | 18.53 |
| Rated voltage Vmpp [V] | 42.82 | 42.82 | 42.82 | 42.83 | 42.83 |
| Short-circuit current Isc [A] | 16.58 | 17.37 | 18.16 | 18.95 | 19.74 |
| Open-circuit voltage Uoc [V] | 52.54 | 52.54 | 52.54 | 52.55 | 52.55 |

*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[2] | 5400 Pa / 2400 Pa |

**Temperature coefficient**

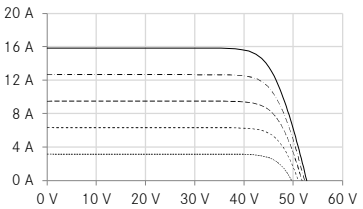
| | |
|---|---|
| Temperature coefficient [U] \| [I] \| [P] | -0.26 %/°C \| 0.04 %/°C \| -0.24 %/°C |

**Specifications**

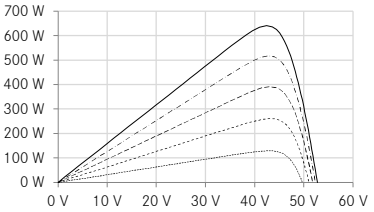
| | |
|---|---|
| Cells (matrix) \| Wafer \| Type | 132 (6x22) \| M10 \| N-Type HJT |
| Module dimensions (L x W x H)[3] \| Weight | 2382 mm x 1134 mm x 30 mm \| 33.5 kg |
| Bifaciality factor [5] | Up to 88% |
| Front side | 2.0 mm semi tempered anti-reflection solar glass |
| Back side | 2.0 mm semi tempered solar glass, white mesh |
| Frame | Stable anodised aluminium frame |
| Embedding mateial | POE / EVA |
| 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 (IP67) |
| Hail test (max. hailstorm) | ⌀ 45 mm \| impact velocity 30.7 m/s ≙110.5 km/h |

Electrical characteristics

UI-diagram e.g. 640 Wp




UP-diagram e.g. 640 Wp




200W/m$^2$
400W/m$^2$
600W/m$^2$
800W/m$^2$
1000W/m$^2$

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 (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 dimensios of holes on request
5 N-Type HJT Bifaciality factor 85 +/- 3 %

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

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