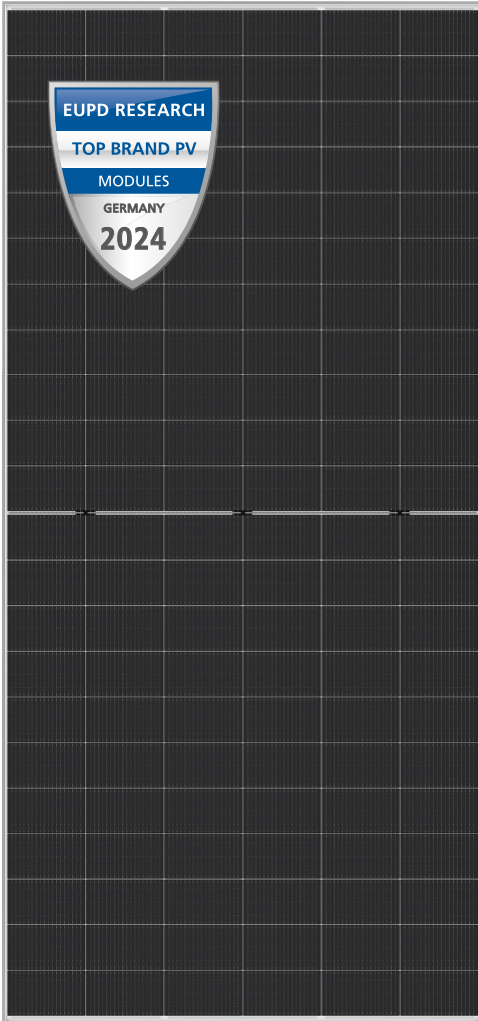




LUXOR

solar module manufacturer



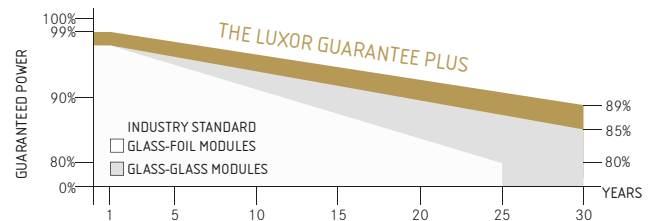
- + POWERFUL N-TYPE TOPCON CELLS
- + DOUBLE GLASS: HIGHER MECHANICAL AND THERMAL STABILITY
- + BIFACIAL: DOUBLE-SIDED POWER GENERATION FOR MORE YIELD
- + REDUCTION OF BALANCE-OF-SYSTEM-COSTS THROUGH HIGHER PERFORMANCE PER MODULE
- + APPLICATION: WHEREVER LONGEVITY AND ROBUSTNESS ARE REQUIRED



product guarantee¹



linear performance guarantee¹



ECO LINE TOPCON GLASS-GLASS BIFACIAL

M132 / 600 - 620W

MONOCRYSTALLINE N-TYPE MODULE FAMILY, TRANSPARENT



Longlife tested



Power proofed



Safety provided



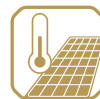
Selection of components



Back glass



Performance surplus of 0 Wp to 6.49 Wp



Higher heat dispensing



PID free LID Free



German warrantor

ECO LINE TOPCON GLASS-GLASS BIFACIAL

M132 / 600 - 620 W, TRANSPARENT

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

Electrical data at STC

	600.00	605.00	610.00	615.00	620.00
Rated power Pmpp [Wp]	600.00	605.00	610.00	615.00	620.00
Pmpp range to	606.49	611.49	616.49	621.49	626.49
Rated current Impp [A]	15.29	15.32	15.35	15.39	15.42
Rated voltage Vmpp [V]	39.27	39.51	39.75	39.99	40.23
Short-circuit current Isc [A]	16.16	16.19	16.23	16.27	16.30
Open-circuit voltage Uoc [V]	47.03	47.32	47.60	47.89	48.18
Efficiency at STC up to	22.45%	22.64%	22.82%	23.01%	23.19%
Efficiency at 200 W/m ²	21.99%	22.17%	22.35%	22.54%	22.72%

Electrical data at NOCT

Power at Pmpp [Wp]	452.16	455.93	459.70	463.46	467.23
Rated current Impp [A]	12.34	12.37	12.39	12.42	12.45
Rated voltage Vmpp [V]	36.64	36.86	37.10	37.32	37.53
Short-circuit current Isc [A]	13.04	13.07	13.10	13.13	13.16
Open-circuit voltage Uoc [V]	43.41	43.69	43.96	44.25	44.53

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. 610 Wp)

	5%	10%	15%	20%	25%
Backside power gain [Wp]	5%	10%	15%	20%	25%
Rated power Pmpp [Wp]	640.50	671.00	701.50	732.00	762.50
Rated current Impp [A]	16.11	16.88	17.65	18.41	19.18
Rated voltage Vmpp [V]	39.75	39.75	39.75	39.76	39.76
Short-circuit current Isc [A]	17.04	17.85	18.66	19.48	20.29
Open-circuit voltage Uoc [V]	47.60	47.60	47.60	47.61	47.61

*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]	-0.25 %/°C 0.045 %/°C -0.29 %/°C
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Specifications

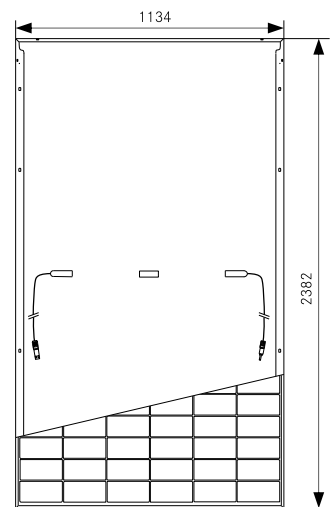
Cells (matrix) Wafer Type	132 (6x22) M10 N-Type TOPCon
Module dimensions (L x W x H)3 Weight	2382 mm x 1134 mm x 35 mm 33.5 kg
Bifaciality factor ⁵ Transparency	Up to 83% approx. 5%
Front side	2.0 mm highly transparent, anti-reflection solar glass
Back side	2.0 mm highly transparent glass
Frame	Stable 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 ² 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. 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
- Horizontal mounted (IEC61215), for details please check mounting instruction
- Tolerance L/W = +/- 3 mm, H +/- 2 mm, the dimensions given in the order confirmation will be decisive
- Location and dimensions of holes on request
- N-Type TOPCon Bifaciality factor 80 +/- 3%

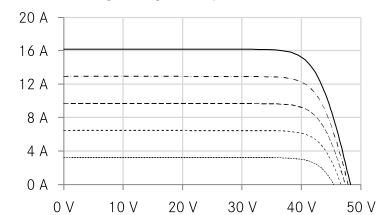
Your specialised Luxor partner

Back - / Frontview^{3, 4}

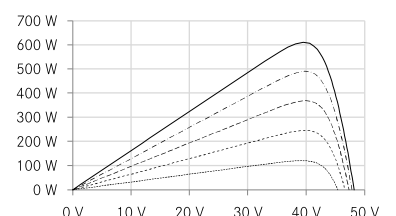


Electrical characteristics

UI-diagram e.g. 600 Wp



UP-diagram e.g. 600 Wp



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



Conformity:
 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