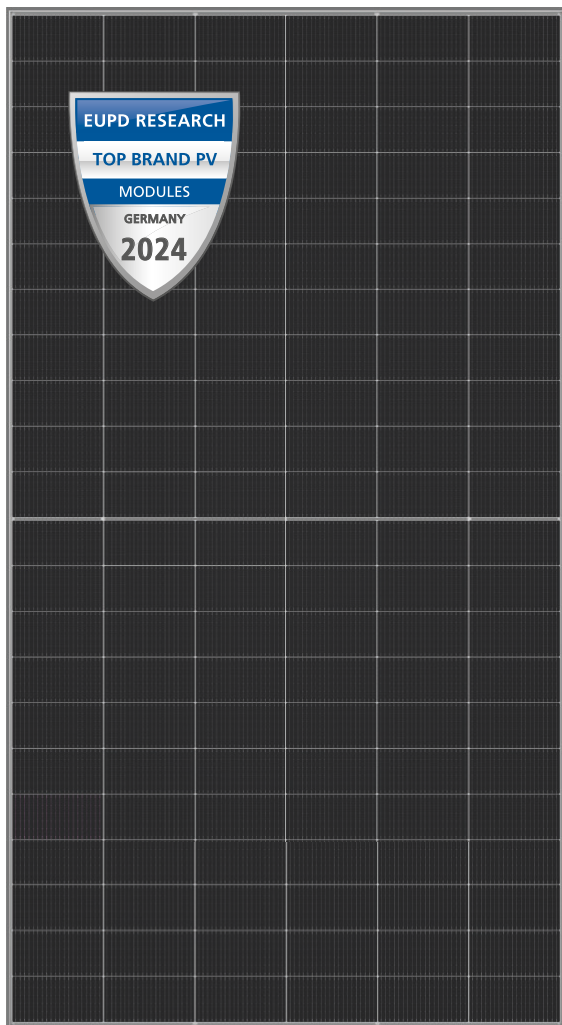




LUXOR

solar module manufacturer



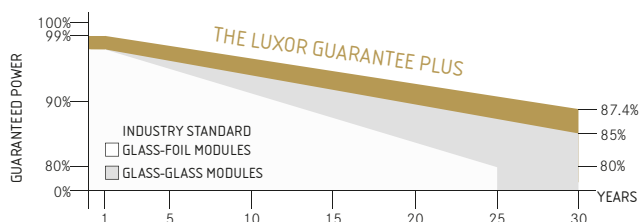
- + POWERFUL N-TYPE TOPCON CELLS
- + DOUBLE GLASS: HIGHER MECHANICAL AND THERMAL STABILITY
- + BIFACIAL: DOUBLE-SIDED POWER GENERATION FOR MORE YIELD
- + REDUCTION OF BALANCE-OF-SYSTEM-COSTS THROUGH HIGHER PERFORMANCE PER MODULE
- + ECO: ESPECIALLY ECONOMIC AND RELIABLE



product guarantee¹



linear performance guarantee¹



BASE LINE TOPCON GLASS-GLASS BIFACIAL

M132 / 695 - 715W

MONOCRYSTALLINE N-TYPE MODULE FAMILY, WHITE MESH



Longlife tested



Power proofed



Safety provided



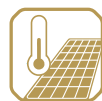
Selection of components



Back glass



Performance surplus of 0 Wp to 6.49 Wp



Higher heat dispensing



PID free
LID Free



German warrantor

BASE LINE TOPCON GLASS-GLASS BIFACIAL

M132 / 695 - 715 W, SILVER FRAME, WHITE MESH

Module type

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

Electrical data at STC

Rated power Pmpp [Wp]	695.00	700.00	705.00	710.00	715.00
Pmpp range to	701.49	706.49	711.49	716.49	721.49
Rated current Impp [A]	17.30	17.34	17.38	17.42	17.45
Rated voltage Vmpp [V]	40.18	40.38	40.58	40.78	40.98
Short-circuit current Isc [A]	18.40	18.45	18.49	18.53	18.56
Open-circuit voltage Uoc [V]	48.64	48.89	49.13	49.37	49.61
Efficiency at STC up to	22.58%	22.74%	22.90%	23.07%	23.23%
Efficiency at 200 W/m ²	22.14%	22.30%	22.46%	22.63%	22.78%

Electrical data at NOCT

Power at Pmpp [Wp]	523.75	527.52	531.29	535.06	538.82
Rated current Impp [A]	13.96	14.00	14.03	14.06	14.09
Rated voltage Vmpp [V]	37.52	37.68	37.87	38.06	38.24
Short-circuit current Isc [A]	14.85	14.89	14.93	14.96	14.98
Open-circuit voltage Uoc [V]	44.89	45.14	45.38	45.61	45.85

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. 705 Wp)

Backside power gain [Wp]	5%	10%	15%	20%	25%
Rated power Pmpp [Wp]	740.25	775.50	810.75	846.00	881.25
Rated current Impp [A]	18.24	19.11	19.98	20.84	21.71
Rated voltage Vmpp [V]	40.58	40.58	40.58	40.59	40.59
Short-circuit current Isc [A]	19.41	20.34	21.26	22.19	23.11
Open-circuit voltage Uoc [V]	49.13	49.13	49.13	49.14	49.14

*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
---	--------------------------------------

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 kg
Bifaciality factor ⁵	Up to 80%
Front side	2.0 mm highly transparent anti-reflection solar glass
Back side	2.0 mm 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 0.3 m to 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. 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

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

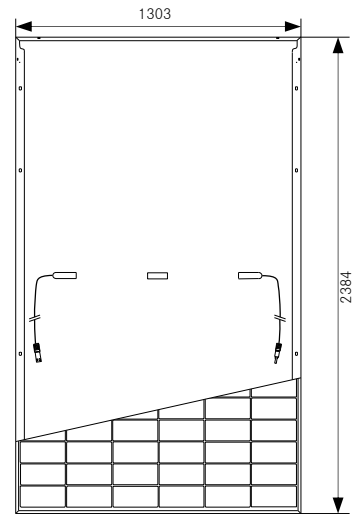
3 Tolerance L/W = +/- 3 mm, H +/- 2 mm, the dimensions given in the order confirmation will be decisive

4 Location and dimensions of holes on request

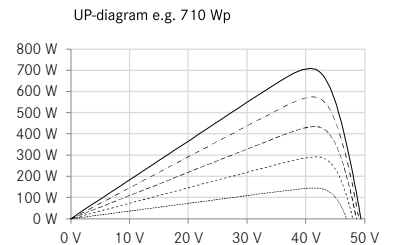
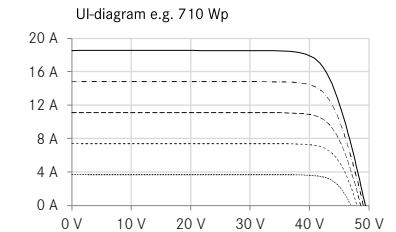
5 N-Type TOPCon Bifaciality factor 77 +/- 3 %

Your specialised Luxor partner

Back - / Frontview ^{3, 4}



Electrical characteristics



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



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:
base.luxor.solar