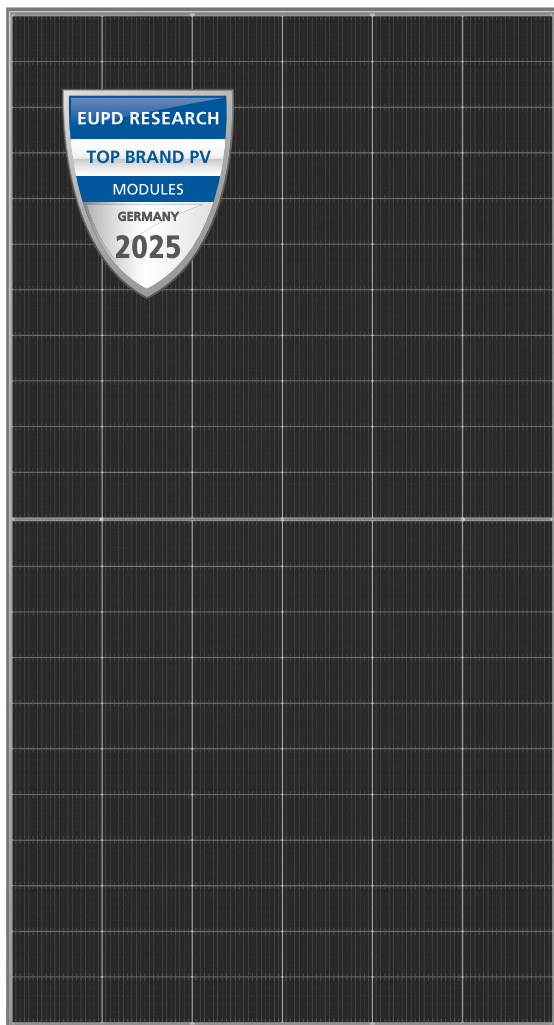




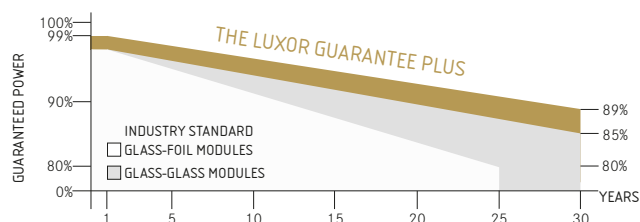
- + POWERFUL N-TYPE TOPCON CELLS
- + DOUBLE GLASS: HIGHER MECHANICAL AND THERMAL STABILITY
- + BIFACIAL: DOUBLE-SIDED POWER GENERATION FOR MORE YIELD
- + REDUCTION OF BALANCE-OF-SYSTEM-COSTS THROUGH HIGHER PERFORMANCE PER MODULE
- + APPLICATION: WHEREVER LONGEVITY AND ROBUSTNESS ARE REQUIRED



product guarantee¹



linear performance guarantee¹



ECO LINE N-TYPE TOPCON GLASS-GLASS BIF

M132 / 705 - 725W

MONOCRYSTALLINE N-TYPE MODULE FAMILY, WHITE MESH



Longlife tested



Power proofed



Safety provided



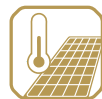
Selection of components



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 ²	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/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. 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 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) 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 ⁵	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 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

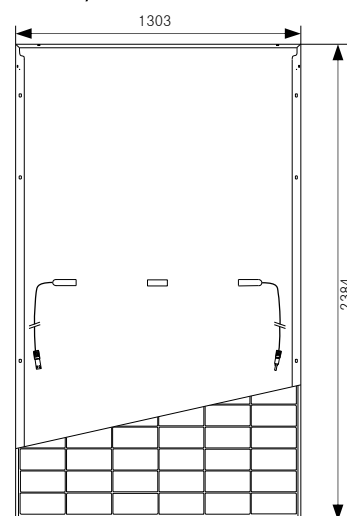
2 Horizontal mounted (IEC61215), for details please check mounting instruction

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

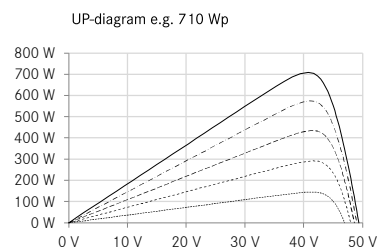
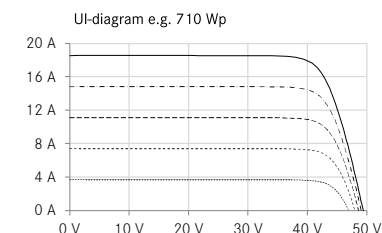
4 Location and dimensions of holes on request

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

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: www.luxor.solar/downloads.html

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