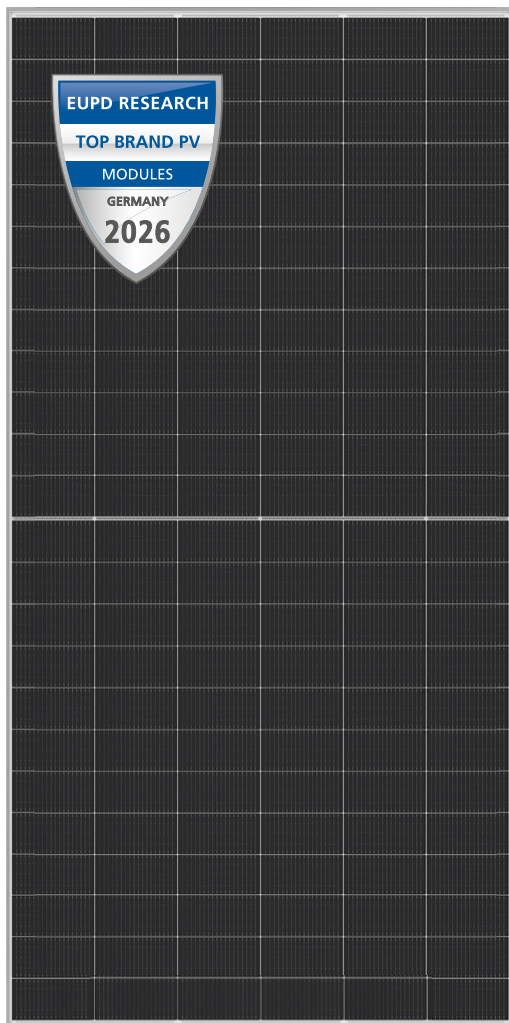




LUXOR

solar module manufacturer



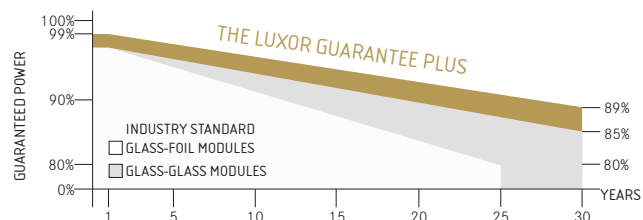
- + POWERFUL N-TYPE TOPCON CELLS
- + DOUBLE GLASS: HIGHER MECHANICAL AND THERMAL STABILITY
- + BIFACIAL: DOUBLE-SIDED POWER GENERATION FOR MORE YIELD
- + REDUCTION OF BALANCE-OF-SYSTEM-COSTS THROUGH HIGHER PERFORMANCE PER MODULE
- + APPLICATION: WHEREVER LONGEVITY AND ROBUSTNESS ARE REQUIRED



product guarantee¹



linear performance guarantee¹



ECO LINE PRO 575-595W

TOPCON SILVER WHITE

GLASS-GLASS, BIFACIAL, 2279MM X 1134MM



Longlife tested



Power proofed



Safety provided



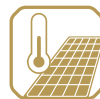
Selection of components



Back glass



Performance surplus of 0 Wp to 6.49 Wp



Higher heat dispensing



PID free
LID Free



German warrantor

ECO LINE PRO 575-595W

TOPCON, GLASS-GLASS, BIFACIAL, SW, 182-144+

Module type

LX - XXXM/182-144+ GG | XXX = Rated power Pmpp

Electrical data at STC

Rated power Pmpp [Wp]	575.00	580.00	585.00	590.00	595.00
Pmpp range to	581.49	586.49	591.49	596.49	601.49
Rated current Impp [A]	13.45	13.48	13.52	13.55	13.58
Rated voltage Vmpp [V]	42.78	43.04	43.30	43.56	43.82
Short-circuit current Isc [A]	14.31	14.34	14.38	14.41	14.45
Open-circuit voltage Uoc [V]	51.79	52.11	52.42	52.74	53.05
Efficiency at STC up to	22.51%	22.70%	22.90%	23.09%	23.28%
Efficiency at 200 W/m ²	22.04%	22.22%	22.42%	22.61%	22.79%

Electrical data at NOCT

Power at Pmpp [Wp]	433.32	437.09	440.86	444.62	448.39
Rated current Impp [A]	10.86	10.88	10.91	10.94	10.96
Rated voltage Vmpp [V]	39.90	40.17	40.41	40.64	40.91
Short-circuit current Isc [A]	11.55	11.58	11.61	11.63	11.66
Open-circuit voltage Uoc [V]	47.80	48.11	48.42	48.73	49.03

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

Electrical data at BNPI

Rated power Pmpp [Wp]	575.00	580.00	585.00	590.00	595.00
Maximum Rated power Pmpp [Wp]	637.10	642.64	648.18	653.72	659.26
Rated current Impp [A]	14.90	14.94	14.98	15.01	15.05
Rated voltage Vmpp [V]	42.75	43.03	43.27	43.54	43.81
Short-circuit current Isc [A]	15.86	15.89	15.93	15.97	16.01
Open-circuit voltage Uoc [V]	51.84	52.16	52.47	52.79	53.10

Specifications as per BNPI (Bifacial Nameplate Irradiance): irradiance front 1000 W/m² | rear 135 W/m² | Temperature 25°C | Air Mass 1.5

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	144 (6x24) M10 N-Type TOPCon
Module dimensions (L x B x H) ³ Weight	2279 mm x 1134 mm x 30 mm 31.5 kg
Bifaciality factor ⁵	Up to 80%
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 material	POE / EVA
Junction Box Diodes	IP68 3 Schottky Diodes
Cable	Asymmetrical cable lengths > 0.4 & 0.3 m, 4 mm ² solar cable
Connectors	MC4 or equivalent (IP67)
Hail test (max. hailstorm)	Ø 45 mm impact velocity 30.7 m/s ± 110.5 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

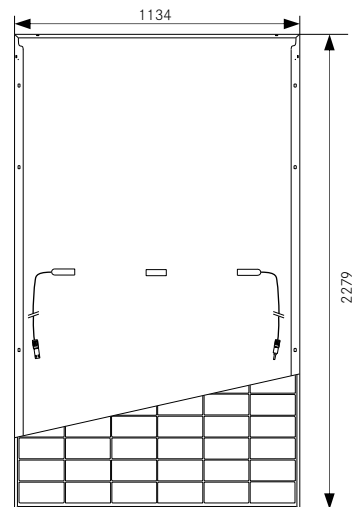
³ Tolerance L/W = +/- 3 mm, H +/- 2 mm, the dimensions given in the order confirmation will be decisive

⁴ Location and dimensions of holes on request

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

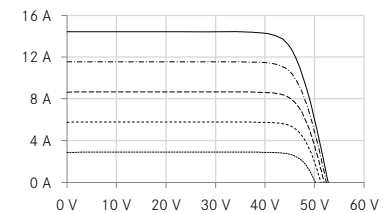
Your specialised Luxor partner

Back - / Frontview ^{3, 4}

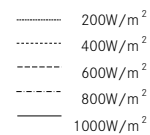
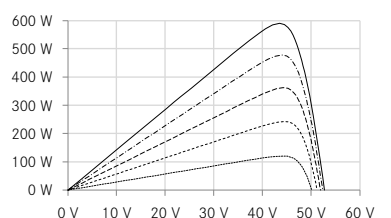


Electrical characteristics

UI-diagram e.g. 590 Wp



UP-diagram e.g. 590 Wp



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