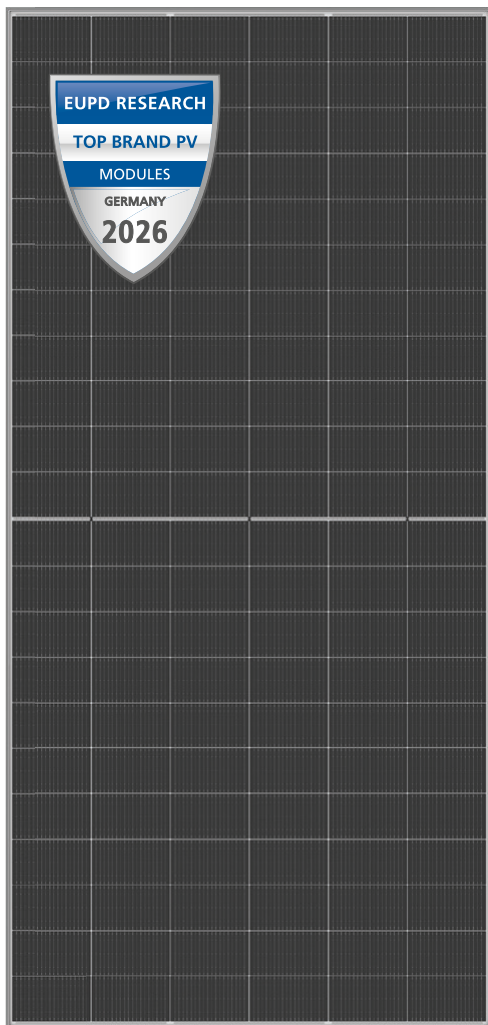




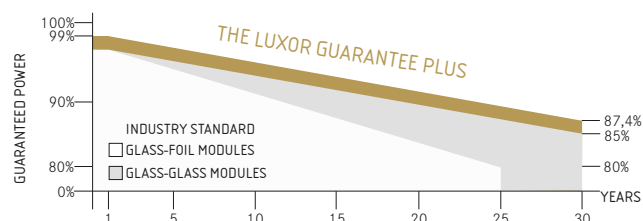
- + POWERFUL N-TYPE TOPCON CELLS
- + DOUBLE GLASS: HIGHER MECHANICAL AND THERMAL STABILITY
- + BIFACIAL: DOUBLE-SIDED POWER GENERATION FOR MORE YIELD
- + REDUCTION OF BALANCE-OF-SYSTEM-COSTS THROUGH HIGHER PERFORMANCE PER MODULE
- + ECONOMICAL AND ROBUST MODULE DESIGN



product guarantee¹



linear performance guarantee¹



ECO LINE CLASSIC 600-620W

TOPCON SILVER WHITE

GLASS-GLASS, BIFACIAL, 2382MM X 1134MM



Longlife tested



Power proofed



Safety provided



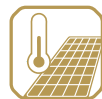
Selection of components



Back glass



Performance surplus of 0 Wp to 6.49 Wp



Higher heat dispensing



PID free
LID Free



German warrantor

ECO LINE CLASSIC 600-620W

TOPCON, GLASS-GLASS, BIFACIAL, SW, 182R-132+

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

Electrical data at STC

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 Imp [A]	15.21	15.27	15.32	15.37	15.42
Rated voltage Vmpp [V]	39.46	39.65	39.84	40.03	40.22
Short-circuit current Isc [A]	16.08	16.14	16.19	16.25	16.30
Open-circuit voltage Uoc [V]	47.77	48.00	48.23	48.46	48.69
Efficiency at STC up to	22.45%	22.64%	22.82%	23.01%	23.19%
Efficiency at 200 W/m ²	21.98%	22.18%	22.36%	22.54%	22.72%

Electrical data at NOCT

Power at Pmpp [Wp]	452.16	455.93	459.70	463.46	467.23
Rated current Imp [A]	12.28	12.33	12.37	12.41	12.45
Rated voltage Vmpp [V]	36.82	36.98	37.16	37.35	37.53
Short-circuit current Isc [A]	12.98	13.03	13.07	13.12	13.16
Open-circuit voltage Uoc [V]	44.09	44.32	44.55	44.77	45.00

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]	600.00	605.00	610.00	615.00	620.00
Maximum Rated power Pmpp [Wp]	664.80	670.34	675.88	681.42	686.96
Rated current Imp [A]	16.85	16.92	16.97	17.03	17.09
Rated voltage Vmpp [V]	39.45	39.62	39.82	40.01	40.21
Short-circuit current Isc [A]	17.82	17.88	17.94	18.01	18.06
Open-circuit voltage Uoc [V]	47.82	48.05	48.28	48.51	48.74

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	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 B x H) ³ Weight	2382 mm x 1134 mm x 30 mm 33.5 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 mateial	POE / EVA
Junction Box Diodes	At least IP67 3 Schottky Diodes
Cable	Asymmetrical cable lengths > 0.3 & 0.4 m, 4 mm ² solar cable
Connectors	MC4 Connectable
Hail test (max. hailstorm)	Ø 25 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

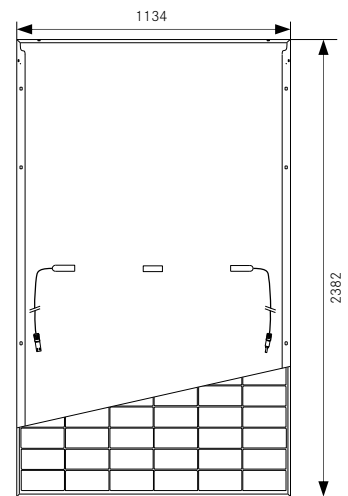
2 Horizontal mounted (IEC61215), for details please check mounting instruction

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

4 Location and dimensios of holes on request

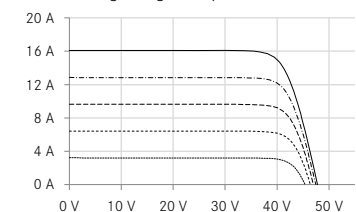
5 N-Type TOPCon Bifaciality factor 77 +/- 3 %

Back - / Frontview ^{3, 4}

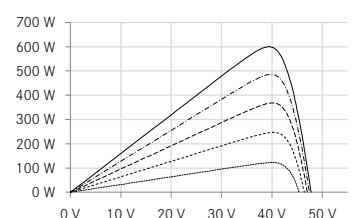


Electrical characteristics

UI-diagram e.g. 600 Wp



UP-diagram e.g. 600 Wp



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



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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