



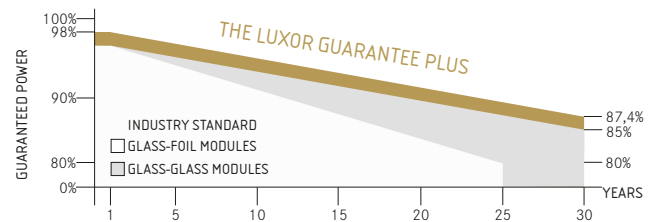
- + POWERFUL N-TYPE TOPCON CELLS
- + DOUBLE GLASS: HIGHER MECHANICAL AND THERMAL STABILITY
- + BIFACIAL: DOUBLE-SIDED POWER GENERATION FOR MORE YIELD
- + REDUCTION OF BALANCE-OF-SYSTEM-COSTS THROUGH HIGHER PERFORMANCE PER MODULE
- + ECONOMICAL AND ROBUST MODULE DESIGN



product guarantee¹



linear performance guarantee¹



ECO LINE CLASSIC 610-630W TOPCON SILVER WHITE

GLASS-GLASS, 2382MM X 1134MM



Longlife tested



Power proofed



Safety provided



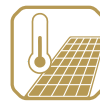
Selection of components



Back glass



Performance surplus of 0 Wp to 6.49 Wp



Higher heat dispensing



PID free
LID Free



German warrantor

ECO LINE CLASSIC 610-630W

TOPCON, GLASS-GLASS, BIFACIAL, SW, 182R192-144+

Module type LX - XXXM/182R192-144+ GG | XXX = Rated power Pmpp

Electrical data at STC

	610.00	615.00	620.00	625.00	630.00
Rated power Pmpp [Wp]	610.00	615.00	620.00	625.00	630.00
Pmpp range to	616.49	621.49	626.49	631.49	636.49
Rated current Impp [A]	13.99	14.03	14.08	14.13	14.17
Rated voltage Vmpp [V]	43.63	43.84	44.05	44.26	44.47
Short-circuit current Isc [A]	14.79	14.83	14.88	14.94	14.98
Open-circuit voltage Uoc [V]	52.82	53.08	53.33	53.58	53.84
Efficiency at STC up to	22.82%	23.01%	23.19%	23.38%	23.56%
Efficiency at 200 W/m ²	22.36%	22.53%	22.72%	22.91%	23.08%

Electrical data at NOCT

Power at Pmpp [Wp]	459.70	463.46	467.23	471.00	474.77
Rated current Impp [A]	11.29	11.33	11.37	11.41	11.44
Rated voltage Vmpp [V]	40.72	40.91	41.09	41.28	41.50
Short-circuit current Isc [A]	11.94	11.97	12.01	12.06	12.09
Open-circuit voltage Uoc [V]	48.75	49.01	49.26	49.50	49.76

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]	610.00	615.00	620.00	625.00	630.00
Maximum Rated power Pmpp [Wp]	675.88	681.42	686.96	692.50	698.04
Rated current Impp [A]	15.50	15.55	15.60	15.66	15.70
Rated voltage Vmpp [V]	43.60	43.83	44.03	44.23	44.46
Short-circuit current Isc [A]	16.39	16.43	16.49	16.55	16.60
Open-circuit voltage Uoc [V]	52.87	53.13	53.38	53.63	53.89

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

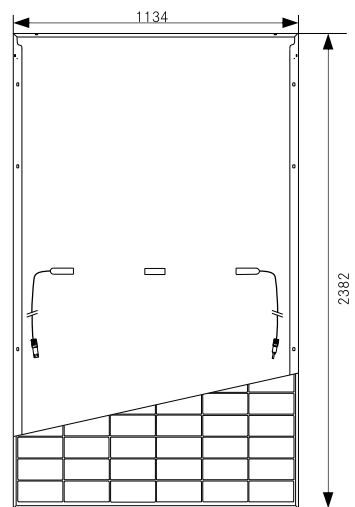
Cells (matrix) Wafer Type	144 (6x24) M10 N-Type TOPCon
Module dimensions (L x B x H) ³ Weight	2382 mm x 1134 mm x 30 mm 32.5 kg
Bifaciality factor ⁵	Up to 80%
Front side	2.0 mm semi tempered anti-reflection solar glass
Back side	2.0 mm semi tempered solar glass, white mesh
Frame	Stable anodised aluminium frame
Embedding material	POE / EVA
Junction Box Diodes	IP68 3 Schottky Diodes
Cable	Symmetrical cable lengths > 1.2 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.

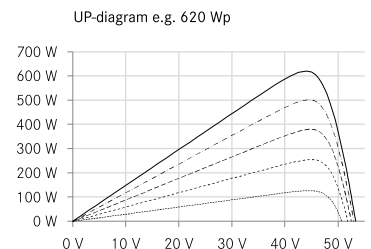
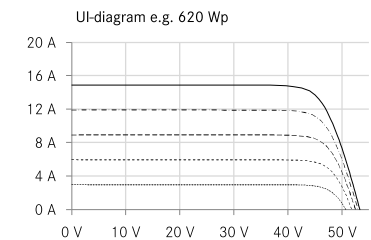
- The specific warranty conditions are given under www.luxor.solar/downloads.html
- Horizontal mounted (IEC61215), for details please check mounting instruction
- Tolerance L/W = +/- 3 mm, H +/- 2 mm, the dimensions given in the order confirmation will be decisive
- Location and dimensions of holes on request
- N-Type TOPCon Bifaciality factor 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:
www.luxor.solar/downloads.html