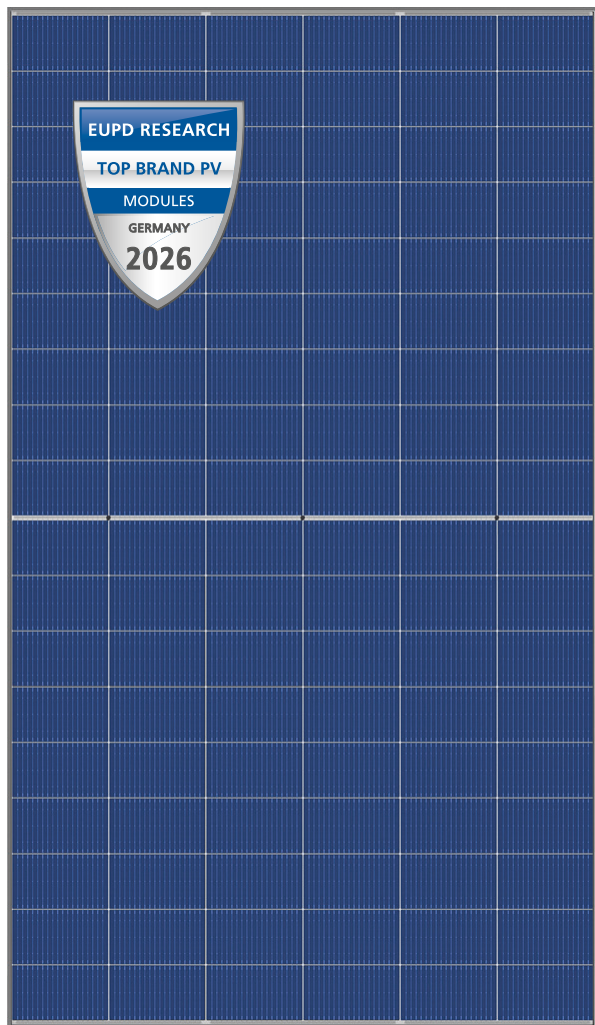




LUXOR

solar module manufacturer



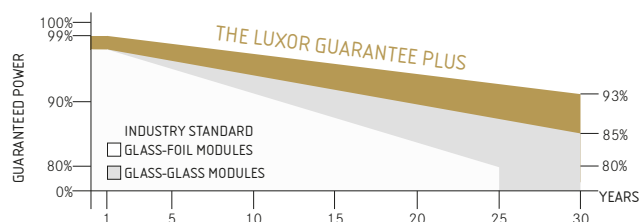
- + POWERFUL N-TYPE HETEROJUNCTION CELLS
- + GLASS-GLASS: HIGHER MECHANICAL AND THERMAL STABILITY
- + BIFACIAL: DOUBLE-SIDED POWER GENERATION FOR MORE YIELD
- + REDUCTION OF BOS-COSTS THROUGH HIGHER PERFORMANCE PER MODULE
- + ESPECIALLY ECONOMIC FOR COMMERCIAL SYSTEMS



product guarantee¹



linear performance guarantee¹



ECO LINE PRO 495-515W

HJT SILVER WHITE

GLASS-GLASS, BIFACIAL, 1960MM X 1134MM



Longlife tested



Power proofed



Safety provided



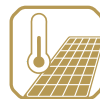
Edge-Sealing



Back glass



Performance surplus
of 0 Wp to 6.49 Wp



Higher heat
dispensing



PID free
LID Free



German
warrantor

ECO LINE PRO 495-515W

HJT, GLASS-GLASS, BIFACIAL, SW, 182R-108+

Module type

LX - XXXM/182R-108+ GG | XXX = Rated power Pmpp

Electrical data at STC

Rated power Pmpp [Wp]	495.00	500.00	505.00	510.00	515.00
Pmpp range to	501.49	506.49	511.49	516.49	521.49
Rated current Imp [A]	14.47	14.56	14.65	14.73	14.82
Rated voltage Vmpp [V]	34.22	34.36	34.50	34.64	34.78
Short-circuit current Isc [A]	15.39	15.49	15.59	15.67	15.77
Open-circuit voltage Uoc [V]	41.99	42.16	42.33	42.50	42.67
Efficiency at STC up to	22.56%	22.79%	23.01%	23.24%	23.46%
Efficiency at 200 W/m ²	22.06%	22.28%	22.51%	22.73%	22.96%

Electrical data at NOCT

Power at Pmpp [Wp]	375.41	379.20	382.99	386.78	390.58
Rated current Imp [A]	11.67	11.74	11.81	11.88	11.95
Rated voltage Vmpp [V]	32.17	32.30	32.43	32.56	32.68
Short-circuit current Isc [A]	12.41	12.49	12.57	12.64	12.72
Open-circuit voltage Uoc [V]	38.76	38.93	39.10	39.27	39.44

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]	495.00	500.00	505.00	510.00	515.00
Maximum Rated power Pmpp [Wp]	553.81	559.40	564.99	570.59	576.18
Rated current Imp [A]	16.19	16.29	16.39	16.48	16.58
Rated voltage Vmpp [V]	34.21	34.34	34.47	34.62	34.75
Short-circuit current Isc [A]	17.22	17.33	17.44	17.53	17.64
Open-circuit voltage Uoc [V]	42.03	42.20	42.37	42.54	42.71

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]	-0.24 %/°C 0.04 %/°C -0.26 %/°C
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Specifications

Cells (matrix) Wafer Type	108 (6x18) M10 N-Type HJT
Module dimensions (L x B x H) ³ Weight	1960 mm x 1134 mm x 30 mm 27.6 kg
Bifaciality factor ⁵	Up to 88%
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	IP68 3 Schottky Diodes
Cable	Symmetrical cable lengths > 1.1 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

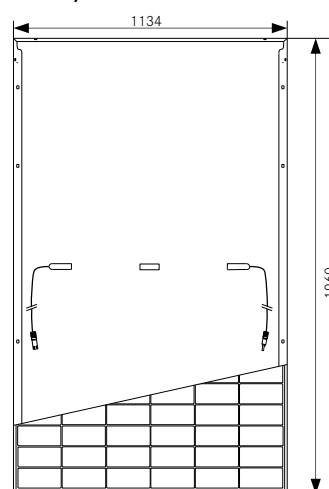
2 Horizontal mounted (IEC61215), for details please check mounting instruction

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

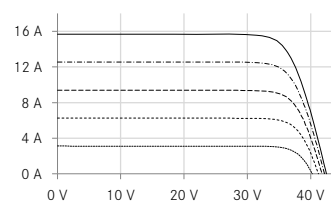
5 N-Type HJT Bifaciality factor 85 +/- 3 %

Back - / Frontview ^{3, 4}

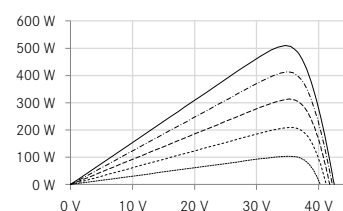


Electrical characteristics

UI-diagram e.g. 510 Wp



UP-diagram e.g. 510 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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