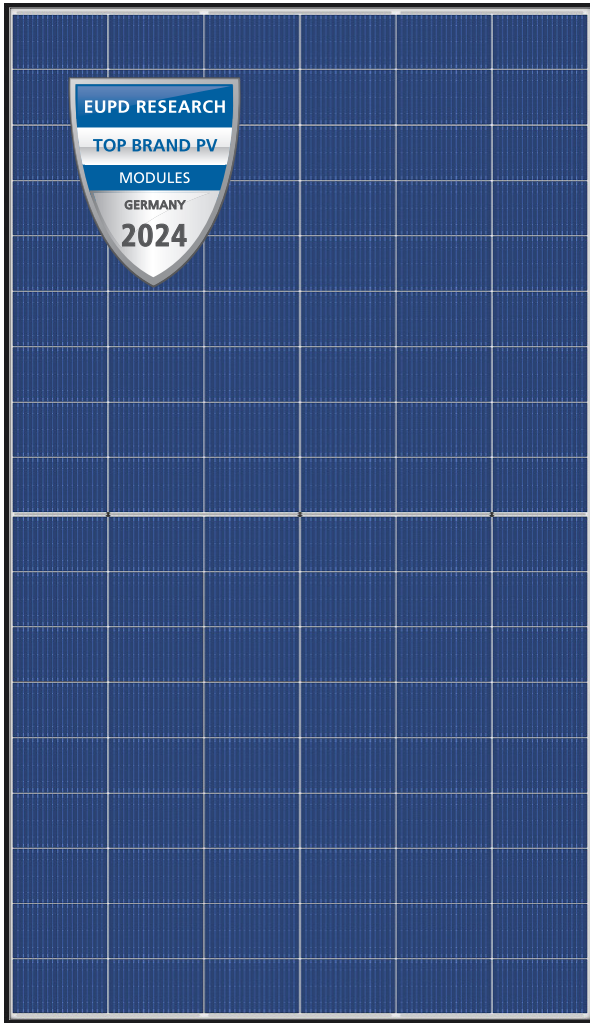




LUXOR

solar module manufacturer



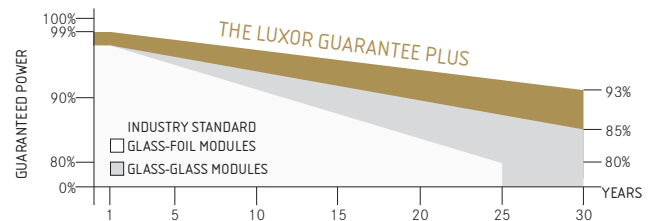
- + HIGHLY EFFICIENT N-TYPE HETEROJUNCTION CELLS
- + GLASS-GLASS: HIGHER MECHANICAL AND THERMAL STABILITY
- + BIFACIAL: DOUBLE-SIDED POWER GENERATION FOR MORE YIELD
- + REDUCTION OF BOS-COSTS THROUGH HIGHER PERFORMANCE PER MODULE
- + SPECIAL EDGE SEALING
- + ESPECIALLY DURABLE AND ROBUST



product guarantee¹



linear performance guarantee¹



ECO LINE N-TYPE HJT GLASS-GLASS BIFACIAL

M108 / 495 - 515 W

MONOCRYSTALLINE N-TYPE MODULE FAMILY, BLACK FRAME, WHITE MESH



Longlife tested



Power proofed



Safety provided



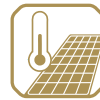
Edge-Sealing



Back glass



Performance surplus
of 0 Wp to 6.49 Wp



Higher heat
dispensing



PID free
LID Free



German
warrantor

ECO LINE N-TYPE HJT GLASS-GLASS BIFACIAL

M108 / 495 - 515 W, BLACK FRAME, WHITE MESH

Module type LX - XXX M/182R-108+ GG | XXX = Rated power Pmpp

Electrical data at STC

	495.00	500.00	505.00	510.00	515.00
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 Impp [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

	376.99	380.80	384.61	388.42	392.22
Power at Pmpp [Wp]	376.99	380.80	384.61	388.42	392.22
Rated current Impp [A]	11.67	11.74	11.81	11.88	11.95
Rated voltage Vmpp [V]	32.30	32.44	32.57	32.70	32.82
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 1000W/m² | module temperature 25°C | Air Mass = 1.5
 NOCT (nominal operating cell temperature): irradiance 800W/m² | wind speed 1 m/sec | ambient temperature 20°C | cell operating temperature 45 +/- 2°C | Air Mass = 1.5

Bifacial Gain* (e.g. 505 Wp)

	5%	10%	15%	20%	25%
Backside power gain [Wp]	5%	10%	15%	20%	25%
Rated power Pmpp [Wp]	530.25	555.50	580.75	606.00	631.25
Rated current Impp [A]	15.37	16.10	16.83	17.56	18.29
Rated voltage Vmpp [V]	34.50	34.50	34.50	34.51	34.51
Short-circuit current Isc [A]	16.37	17.15	17.93	18.71	19.49
Open-circuit voltage Uoc [V]	42.33	42.33	42.33	42.34	42.34

*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 (according to IEC 61730)
Operating Temperature	-40 up to 85°C
Max. tested pressure load-/tensile ²	5400 Pa / 2400 Pa

Temperature coefficient

Temperature coefficient [U] [I] [P]	-0.26 % /°C 0.04 % /°C -0.24 % /°C
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Specifications

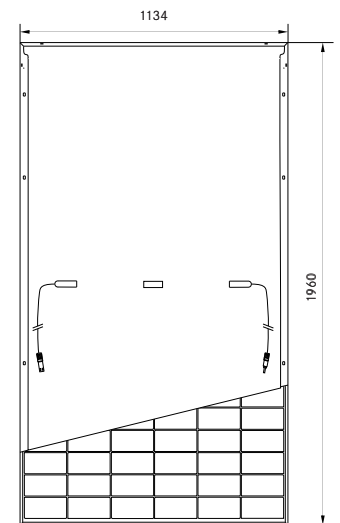
Cells (matrix) Wafer Type	108 (6x18) M10 N-Type HJT
Module dimensions (L x W x H) ³ Weight	1960 mm x 1134 mm x 30 mm 27.6 kg
Bifaciality factor ⁵	Up to 88 %
Front-side glass	2 mm tempered, highly transparent, anti-reflection solar glass
Back-side	2 mm tempered, highly transparent, white mesh print
Frame	Stable anodised aluminium frame
Embedding material	EVA / POE
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 with 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. Measurement 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, 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 dimensios of holes on request
- Bifaciality factor 85% +/- 3%

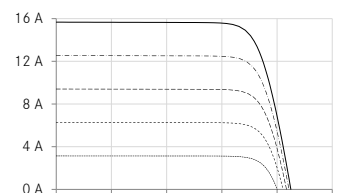
Luxor, your specialised company

Back - / Frontview^{3,4}

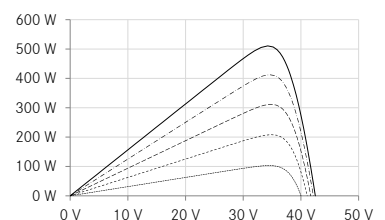


Electrical characteristics

UI - diagram e.g. 510 Wp



UP - diagram e.g. 510 Wp



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