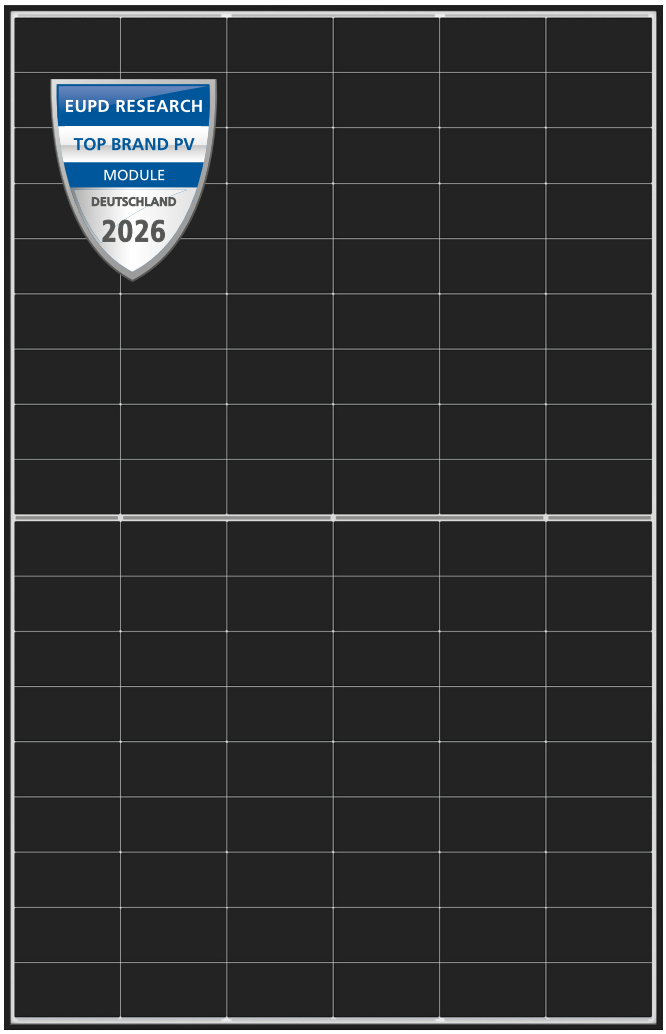
PRIME

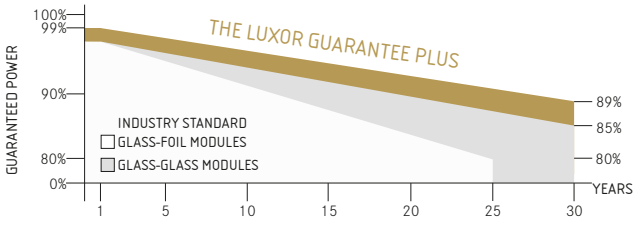
LUXOR
solar module manufacturer



+ POWERFUL N-TYPE HJT CELLS
+ BC: MAXIMUM EFFICIENCY AND IMPROVED HOT SPOT BEHAVIOUR
+ BC: HIGHER PERFORMANCE IN PARTIAL SHADING CONDITIONS
+ BC: NO VISIBLE BUSBARS ON THE MODULE FRONT
+ DOUBLE GLASS: HIGHER MECHANICAL AND THERMAL STABILITY

30 YEARS

30 YEARS
linear performance guarantee[1]



ECO LINE PRIME 495-515W
HJT BLACK WHITE

GLASS-GLASS, BIFACIAL, 1800MM X 1134MM

Longlife tested

Selection of components

Back glass

Power proofed

Performance surplus of 0 Wp to 6.49 Wp

Higher heat dispensing

Safety provided

PID free
LID Free

German warrantor

Luxor Solar GmbH | Kornbergstraße 29 | 70176 Stuttgart | Germany | T+49.711.88 888-999 | info@luxor-solar.com | www.luxor.solar

ECO LINE PRIME 495-515W

HJT, GLASS-GLASS, BIFACIAL, BW, 182R192-108+

Module type	LX - XXXM/182R192-108+ GG | XXX = Rated power Pmpp

Electrical data at STC

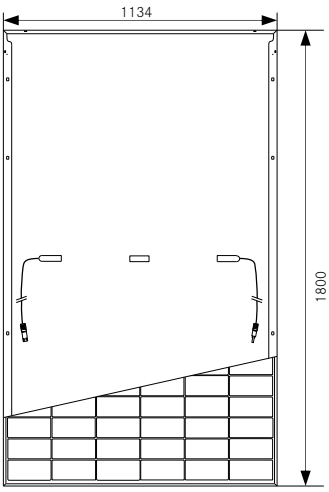
Rated power Pmpp [Wp]	495.00	500.00	505.00	510.00	515.00
Pmpp range to	501.49	506.49	511.49	516.49	521.49
Rated current Impp [A]	14.55	14.65	14.75	14.86	14.96
Rated voltage Vmpp [V]	34.05	34.15	34.25	34.35	34.45
Short-circuit current Isc [A]	15.22	15.32	15.43	15.54	15.65
Open-circuit voltage Uoc [V]	41.27	41.39	41.52	41.64	41.76
Efficiency at STC up to	24.57%	24.81%	25.06%	25.30%	25.55%
Efficiency at 200 W/m^2	24.03%	24.26%	24.50%	24.76%	25.00%

Electrical data at NOCT

Power at Pmpp [Wp]	376.99	380.80	384.61	388.42	392.22
Rated current Impp [A]	11.76	11.84	11.92	12.01	12.09
Rated voltage Vmpp [V]	32.06	32.16	32.27	32.34	32.44
Short-circuit current Isc [A]	12.30	12.38	12.47	12.56	12.65
Open-circuit voltage Uoc [V]	38.09	38.22	38.35	38.47	38.59

Specification as per STC (Standard test conditions): irradiance 1000 W/m^2 | 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

Back - / Frontview [3, 4]



Electrical data at BNPI

Rated power Pmpp [Wp]	495.00	500.00	505.00	510.00	515.00
Maximum Rated power Pmpp [Wp]	548.46	554.00	559.54	565.08	570.62
Rated current Impp [A]	16.12	16.23	16.34	16.46	16.58
Rated voltage Vmpp [V]	34.02	34.13	34.24	34.32	34.43
Short-circuit current Isc [A]	16.86	16.97	17.10	17.22	17.34
Open-circuit voltage Uoc [V]	41.31	41.43	41.56	41.68	41.80

Specifications as per BNPI (Bifacial Nameplate Irradiance) : irradiance front 1000 W/m^2 | rear 135 W/m^2 | Temperature 25°C | Air Mass 1.5

Limiting values

Max. system voltage | max. return current	1500 V | 25 A
Safety class |Operating temperature	II | -40 up to 85°C
Max. tested pressure/tensile load[2]	6000 Pa/ 4000 Pa
Fire safety class according to IEC, EN, DIN	C (IEC 61730), B2 (DIN4102-1), E (EN13501-1), Broof(t2) (EN13501-5)

Temperature coefficient

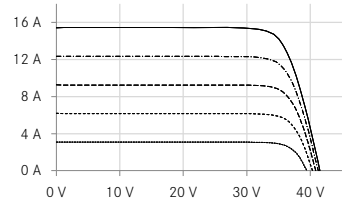
Temperature coefficient [U] [I] | [P]	-0.21 %/°C | 0.05 %/°C | -0.24 %/°C

Specifications

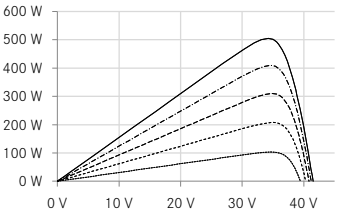
Cells (matrix) | Wafer | Type	108 (6x18) | M10 | N-Type HJT BC
Module dimensions (L x B x H)[3] | Weight	1800 mm x 1134 mm x 30 mm | 25.5 kg
Bifaciality factor[5]	Up to 80%
Front side	2.0 mm semi tempered anti-reflection solar glass
Back side	2.0 mm semi tempered solar glass, white mesh
Frame | Embedding material	Stable anodised aluminium frame | POE / EVA
Junction Box | Diodes | Connectors	IP68 | 3 Schottky Dioden | MC4-Evo2
Cable	Symmetrical cable lengths > 1.2 m, 4 mm² solar cable
Hail test (max. hailstorm)	⌀ 45 mm | impact velocity 30.7 m/s ≙ 110.5 km/h
Hail resistance class according to IEC	IEC 61215

Electrical characteristics

UI-diagram e.g. 505 Wp



UP-diagram e.g. 505 Wp



200W/m^2
400W/m^2
600W/m^2
800W/m^2
1000W/m^2

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 correspondes 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 for end customers 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 HJT BC Bifaciality factor 77 +/- 3 %.

Your specialised Luxor partner

IEC 61215
IEC 61730

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