

- + POWERFUL N-TYPE TOPCON CELLS
- + BC: MAXIMUM EFFICIENCY AND IMPROVED HOT SPOT BEHAVIOUR
- + BC: HIGHER PERFORMANCE IN PARTIAL SHADING CONDITIONS
- + DOUBLE GLASS: HIGHER MECHANICAL AND THERMAL STABILITY
- + REDUCTION OF BALANCE-OF-SYSTEM-COSTS THROUGH HIGHER PERFORMANCE PER MODULE



product guarantee<sup>1</sup>



linear performance guarantee<sup>1</sup>



## ECO LINE PRIME 645-665W 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 PRIME 645-665W

## 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]	645.00	650.00	655.00	660.00	665.00
Pmpp range to	651.49	656.49	661.49	666.49	671.49
Rated current Impp [A]	15.78	15.85	15.93	16.00	16.08
Rated voltage Vmpp [V]	40.90	41.02	41.14	41.26	41.38
Short-circuit current Isc [A]	16.44	16.51	16.59	16.67	16.75
Open-circuit voltage Uoc [V]	49.52	49.66	49.81	49.95	50.10
Efficiency at STC up to	24.12%	24.30%	24.49%	24.67%	24.86%
Efficiency at 200 W/m <sup>2</sup>	23.64%	23.81%	24.00%	24.18%	24.37%

### Electrical data at NOCT

Power at Pmpp [Wp]	488.14	491.92	495.70	499.49	503.27
Rated current Impp [A]	12.75	12.81	12.87	12.93	12.99
Rated voltage Vmpp [V]	38.29	38.40	38.52	38.63	38.74
Short-circuit current Isc [A]	13.28	13.34	13.40	13.47	13.53
Open-circuit voltage Uoc [V]	45.71	45.85	46.00	46.15	46.30

Specification as per STC (Standard test conditions): irradiance 1000 W/m<sup>2</sup> | module temperature 25°C | Air Mass = 1.5  
 NOCT (nominal operating cell temperature): irradiance 800 W/m<sup>2</sup> | 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]	645.00	650.00	655.00	660.00	665.00
Maximum Rated power Pmpp [Wp]	714.66	720.20	725.74	731.28	736.82
Rated current Impp [A]	17.48	17.56	17.65	17.73	17.82
Rated voltage Vmpp [V]	40.87	41.01	41.12	41.25	41.36
Short-circuit current Isc [A]	18.22	18.29	18.38	18.47	18.56
Open-circuit voltage Uoc [V]	49.57	49.71	49.86	50.00	50.15

Specifications as per BNPI (Bifacial Nameplate Irradiance): irradiance front 1000 W/m<sup>2</sup> | rear 135 W/m<sup>2</sup> | 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 <sup>2</sup>	5400 Pa / 2400 Pa

### Temperature coefficient

Temperature coefficient [U]   [I]   [P]	-0.2 %/°C   0.05 %/°C   -0.27 %/°C
---	------------------------------------

### Specifications

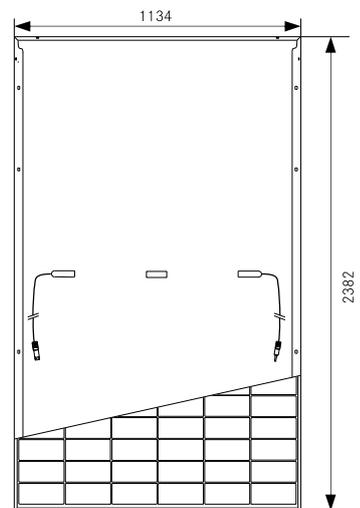
Cells (matrix)   Wafer   Type	132 (6x22)   M10   N-Type TOPCon
Module dimensions (L x B x H) <sup>3</sup>   Weight	2382 mm x 1134 mm x 30 mm   32.5 kg
Bifaciality factor <sup>5</sup>	Up to 80%
Front side	2.0 mm semi tempered anti-reflection solar glass
Back side	2.0 mm semi tempered solar glass, white mesh
Frame	Stable anodised aluminium frame
Embedding material	POE / EVA
Junction Box   Diodes	IP68   3 Schottky Diodes
Cable	Symmetrical cable lengths > 1.4 m, 4 mm <sup>2</sup> 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.

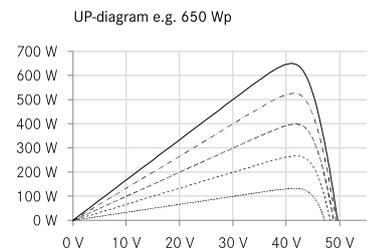
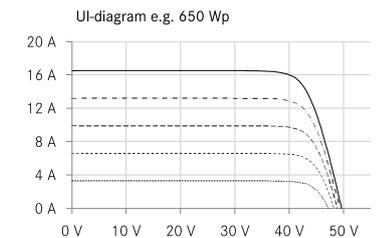
- The specific warranty conditions are given under [www.luxor.solar/downloads.html](http://www.luxor.solar/downloads.html)
- Horizontal mounted (IEC61215), for details please check mounting instruction
- Tolerance L/W = +/- 3 mm, H +/- 2 mm, the dimensions given in the order confirmation will be decisive
- Location and dimensions of holes on request
- N-Type TOPCon Bifaciality factor 77 +/- 3 %

Your specialised Luxor partner

### Back - / Frontview<sup>3, 4</sup>



### Electrical characteristics



..... 200W/m<sup>2</sup>  
 ..... 400W/m<sup>2</sup>  
 ..... 600W/m<sup>2</sup>  
 ..... 800W/m<sup>2</sup>  
 ..... 1000W/m<sup>2</sup>



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](http://www.luxor.solar/downloads.html)