



product guarantee¹



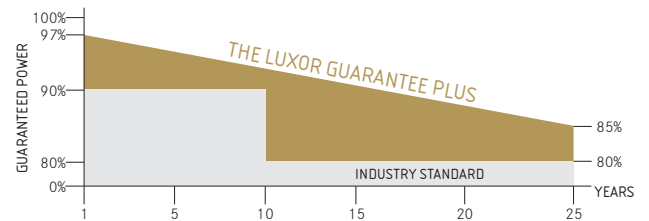
linear performance guarantee¹



ECO LINE

P60/260 – 280W

Polycrystalline module family



Longlife tested



Power proofed



Safety provided



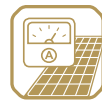
Selection of components



Cross-linking degree test



Performance surplus of 0Wp to 6.49 Wp



Imp sorting



Special packing to avoid micro cracks in the cells



German warrantor

The 60-cell module is the large-size all-rounder among the Luxor solar modules. Eco in this case means especially economical: The high wattage makes the module the ideal solution for industrial scale equipments. From the open-field facilities, through the tracking system, to the roof-mounted installation. High-quality solar cell with an efficiency up to 20.6% at the best possible low light behaviour ensure the best energy output. And this at plus tolerances of 0Wp to 6.49Wp.

Exemplary in the manufacturing quality, too: An especially durable plug-in connection guarantees the best power contact under all conditions, and the hollow-section frame made of anodised aluminium and compatible with every assembly system, is torsionally stiff and corrosion-free. Manufactured according to German standards each Luxor photovoltaic module is marked by a special level of durability and reliability.

ECO LINE P60/260 - 280W

Polycrystalline module family

Electrical data	LX-260P	LX-265P	LX-270P	LX-275P	LX-280P
Rated power P _{mpp} [Wp]	260.00	265.00	270.00	275.00	280.00
P _{mpp} range from	260.00	265.00	270.00	275.00	280.00
P _{mpp} range to	266.49	271.49	276.49	281.49	286.49
Rated current I _{mpp} [A]	8.32	8.41	8.50	8.59	8.69
Rated voltage V _{mpp} [V]	31.28	31.54	31.80	32.07	32.33
Short-circuit current I _{sc} [A]	8.66	8.70	8.74	8.78	8.82
Open-circuit voltage U _{oc} [V]	37.94	38.40	38.87	39.35	39.83
Efficiency at STC	15.99%	16.30%	16.61%	16.94%	17.26%
Efficiency at 200 W/m ²	15.53%	16.15%	16.15%	16.15%	16.15%
NOCT [°C]	45 ± 2°C	45 ± 2°C	45 ± 2°C	45 ± 2°C	45 ± 2°C

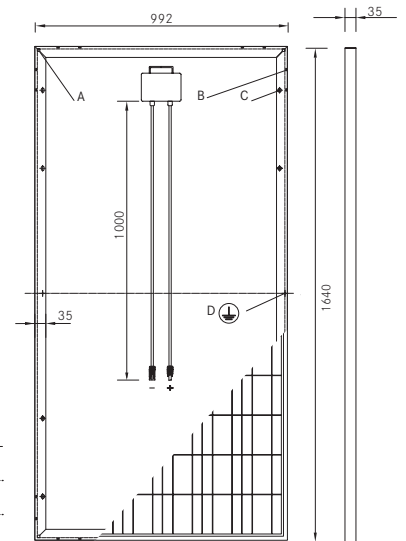
Specification as per STC (Standard test conditions): irradiance 1000 W/m² | module temperature 25°C | AM = 1,5
 NOCT (nominal operating cell temperature): irradiance 800 W/m² | wind speed 1 m/sec | temperature 20°C | AM = 1,5

Limiting values	LX-260P / LX-265P / LX-270P / LX-275P / LX-280P
Max. system voltage [V]	1000 V
Max. return current [I]	15 A
Temperature range	-40 to 85°C
Snow-load zone ²	approval up to SLZ 3 (according to DIN 1055)
Max. pressure load (static)	5400 Pa

Temperature coefficient	LX-260P / LX-265P / LX-270P / LX-275P / LX-280P
Temperature coefficient [V] [I] [P]	-0.32% /°C 0.05% /°C -0.45% /°C

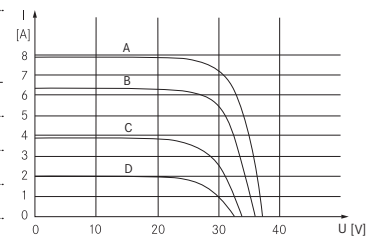
Specifications	LX-260P / LX-265P / LX-270P / LX-275P / LX-280P
Number of cells (matrix)	6 x 10, three strings in a row
Cell size	156 mm x 156 mm
Module dimensions (L x W x H) ² Weight	1640 mm x 992 mm x 35 mm 18.7 kg
Front-side glass	3.2 mm hardened solar glass with low iron content
Frame	stable, anodised aluminium frame in a hollow-section design
Socket	plastic (PPO), IP65, ventilated and strain-relieved
Diodes	3 Schottky Diodes 15A/45V
Cable	4 mm ² solar cable, cable length 1.0 m
Plug-in connection	high-quality plug-in system, (IP65) MC4 or equivalent
Hail test (max. hailstorm)	∅ 45 mm impact velocity 23 m/s
General technical approval	classified according to DIN EN 13501-5 as B _{ROOF} (ti)

Back view/ Front view/ Side view³

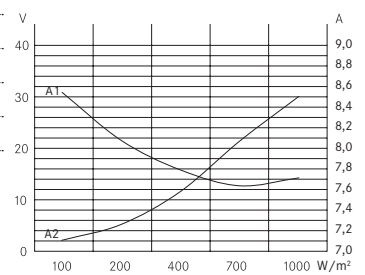


- A: 4 x drainage 10*10 mm
- B: 8 x ventilation aperture 3*7 mm
- C: 8 x mounting hole⁴ d = 7 mm
- D: 2 x earthing d = 2 mm

Characteristics



A: 1000 W/m² | B: 800 W/m² | C: 500 W/m² | D: 250 W/m²



A1: I_{mpp} | A2: V_{mpv}

The specifications and average values can vary slightly. What is important is the corresponding data of the individual measurement. Specifications are subject to change without notice. Measurement tolerance: rated power +/- 3%, other values +/- 10%, all information in this data sheet corresponds to DIN 50380. A potential light-induced degradation of the power after commissioning is not considered here, other information can be found in the installation guidelines.

1 The specific warranty conditions are given under www.luxor-solar.com/download.htm

2 For standing installation

3 Tolerance L/W = +/- 3 mm, H = the dimensions given in the order confirmation will be decisive

4 Location on request

Luxor, your specialised company

Guidelines: 2006/95/EG-2006/95/EC, 89/336/EWG-89/336/EEC, 93/68/EWG-93/68/EEC



IEC
IEC 61215
IEC 61730



The validity of the certificates/listings for a specific country has to be examined under:
www.luxor-solar.com/download.htm