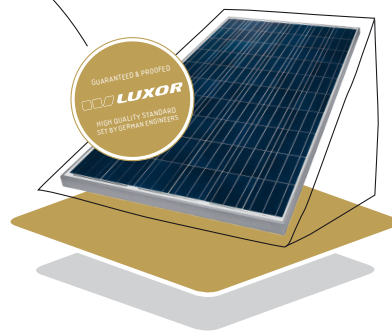


Optimized by
Tigo[®]
 energy



10-year
 product guarantee



12-year guarantee for
 90 % rated power



25-year guarantee for
 80 % rated power



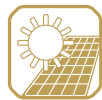
ECO SMART LINE

60/230 – 250 W

Polycrystalline module family



Longlife tested



Power proofed



Safety provided



Selection of
 components



Cross-linking
 degree test



Performance surplus
 of 1.5 to 6.49 Wp



Imp
 sorting



Special packing to
 avoid micro cracks
 in the cells



German
 warrantor

The 60-cell module Eco Smart Line like every Luxor Solar module has high-quality solar cells with an efficiency up to 17,7% at the best possible low light behaviour to ensure the best energy output. Using intelligent electronics from Tigo Energy® that is integrated into the junction box, the Eco Smart Line modules have a better overall system yield, provide greater flexibility in system design, more safety and better

transparency in system monitoring. Mismatch losses that occur due to different roof inclinations or partial shading can be avoided thanks to the Maximum Power Point Tracking (MPPT). The smart electronics in the junction box ensures that each module delivers its maximum performance. Since the PV system has lesser BOS components, thanks to Eco Smart Line, the installation is quicker, easier and cheaper.

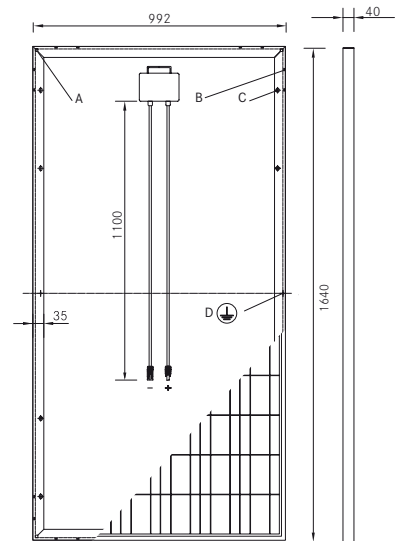
ECO SMART LINE 60/230 – 250W



Polycrystalline module family

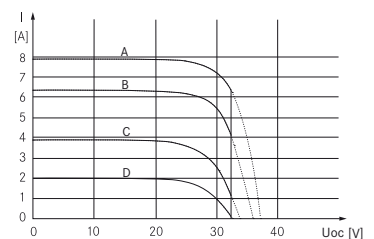
Electrical data	LX-230P	LX-235P	LX-240P	LX-245P	LX-250P
Rated power P _{mpp} [Wp]	230.00	235.00	240.00	245.00	250.00
P _{mpp} range from	231.50	236.50	241.50	246.50	251.50
P _{mpp} range to	236.49	241.49	246.49	251.49	256.49
Rated current I _{mpp} [A]	7.73	7.84	7.95	8.06	8.16
Rated voltage V _{mpp} [V]	29.95	30.17	30.38	30.59	30.83
Short-circuit current I _{sc} [A]	8.22	8.39	8.49	8.58	8.61
Open-circuit voltage U _{oc} [V]	32.70	32.70	32.70	32.70	32.70
Efficiency at STC	14.23%	14.54%	14.85%	15.16%	15.46%
Efficiency at 200 W/m ²	13.67%	13.97%	14.30%	14.62%	14.93%
NOCT [°C]	47 ± 2°C	47 ± 2°C	47 ± 2°C	47 ± 2°C	47 ± 2°C

Back view/ Front view/ Side view²

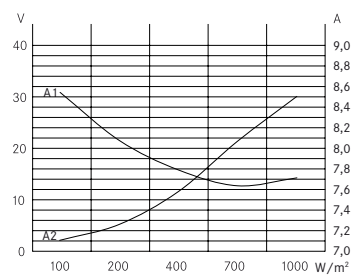


- A: 4 x drainage 10*10 mm
- B: 8 x ventilation aperture 3*7 mm
- C: 8 x mounting hole³ d = 7 mm
- D: 2 x earthing d = 2 mm

Characteristics



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



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

Limiting values	LX-230P / LX-235P / LX-240P / LX-245P / LX-250P
Max. system voltage [V]	1000 V
Max. return current [I]	15 A
Temperature range	-40 to 85°C
Snow-load zone ¹	approval up to SLZ 3 (according to DIN 1055)
Max. pressure load (static)	5400 Pa

Temperature coefficient	LX-230P / LX-235P / LX-240P / LX-245P / LX-250P
Temperature coefficient [U _{oc}] [I _{sc}] [P _{mpp}]	0.00% /°C 0.05% /°C -0.45% /°C

Specifications	LX-230P / LX-235P / LX-240P / LX-245P / LX-250P
Number of cells (matrix)	6 x 10, three strings connected in series
Cell size	156 mm x 156 mm
Module dimensions (L x W x H) ² Weight	1,640 mm x 992 mm x 40 mm 18.0 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	Tigo, MMJ-ES50
Diodes	4 Schottky diodes 30A/100V
Cable	4 mm ² solar cable, cable length 1.1 m
Plug-in connection	high-quality plug-in system, (IP65) MC4
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)

Packing	LX-230P / LX-235P / LX-240P / LX-245P / LX-250P
Packing unit	25 modules, 2 I _{mpp} classes 28 PU/40' container
Dimensions (L x W x H) Weight	174 cm x 114 cm x 121 cm 490 kg gross

The specifications and average values can vary slightly. Decisive 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, other information to be found in the installation guidelines.

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



- + Factory Inspection through TÜV Rheinland | Reg. No.: AK 60079652
- + CEC California (US)
- + CEC Australien | Reg.-Nr.: 33012/60039977-3/60039978-3

Printed on Recystar Polar, recycling paper with FSC certificate and the "Blue Angel" eco-label.



ClimatePartner[®]
klimaneutral gedruckt

Zertifikatsnummer:
 778-53212-0511-1068
 www.climatepartner.com