

# 3 GOOD REASONS FOR LUXOR SOLAR MODULES



## POWER PROOFED

### Powerful

- + Performance increase from 0 - 6.49 Wp above the nominal rating (according to STC)

### Efficient

- + Cells: Efficiency over 20.6%
- + Modules: Efficiency over 17.2%
- + Tempered solar glass: Anti-glare and optimised composition for maximum light transmission.

### Practical

- + Sorted by IMPP
- + Categories are colour-coded
- + Cable length > 1.0 m

## LONG LIFE TESTED

### Luxor Guarantee

- + 12 year product guarantee\*
- + Linear performance guarantee\*
- \* Exact guarantee terms and conditions at [www.luxor-solar.com/download.htm](http://www.luxor-solar.com/download.htm)

### Secure

- + Extremely high-quality, durable plug sockets for optimal conductivity in all weather conditions (IP65)
- + PID resistant (PI-Berlin)

### Certified\*

- + Salt spray test
- + Ammonia test (in progress)
- + Fire prevention



## SAFETY PROVIDED

### German company

- + We guarantee the quality of the modules we produce
- + Guarantee: In case of need, as the German guarantor Luxor will assume settlement

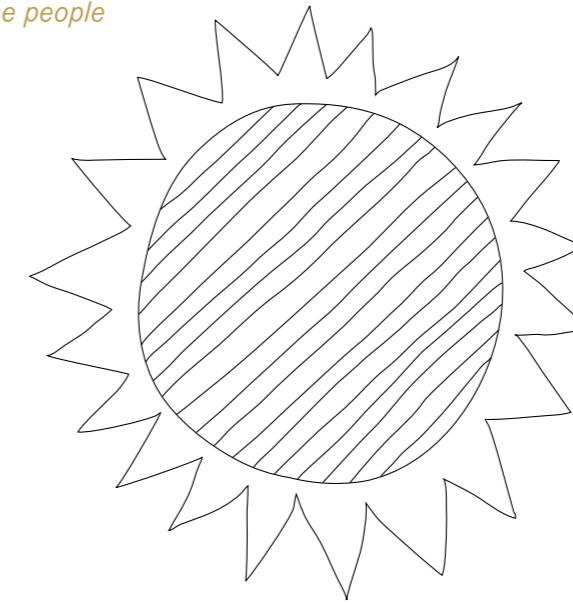
### Well thought out

- + Specialist packaging prevents micro-cracks in the cells
- + Modules are transported upright
- + Low storage and transport costs

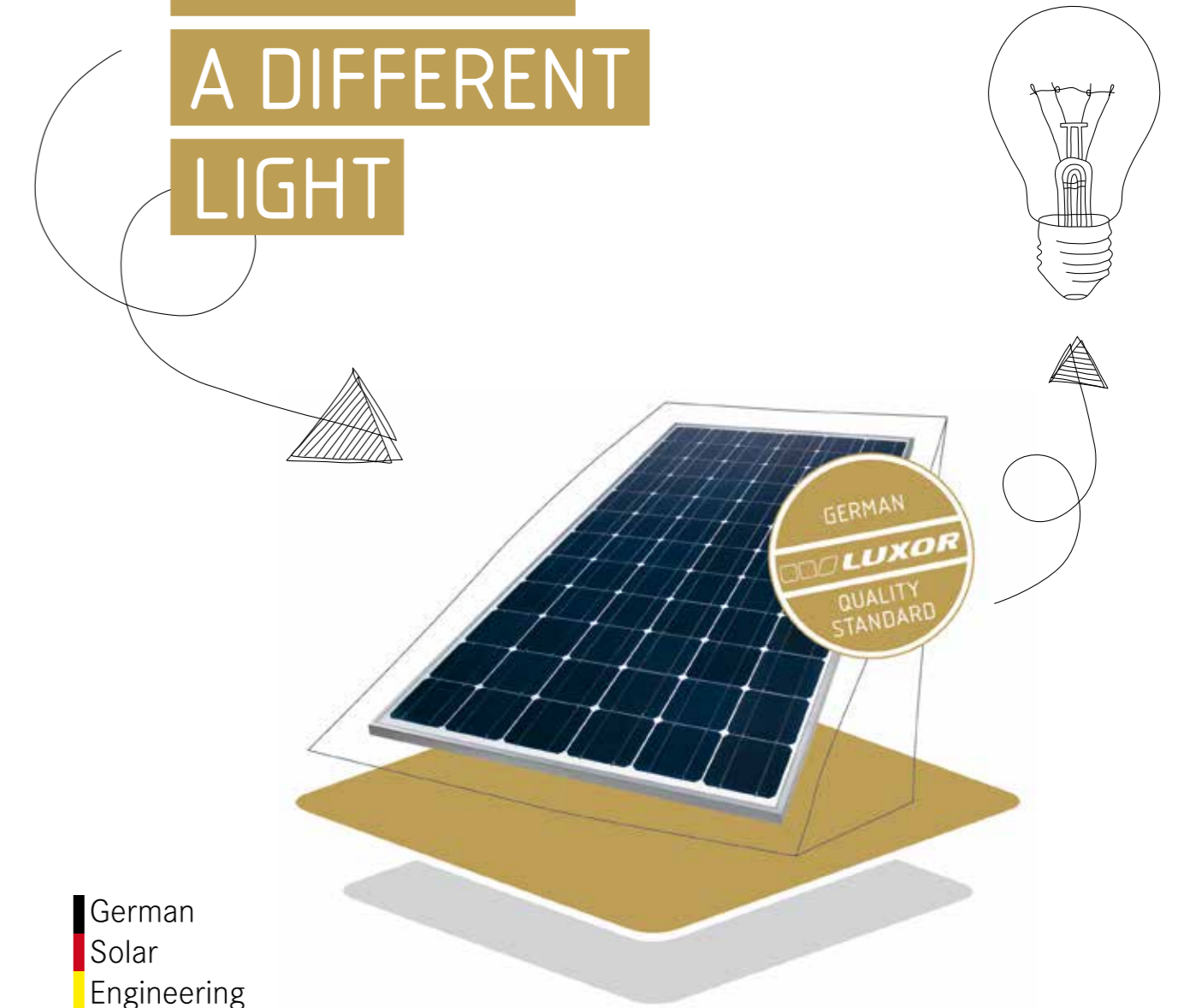
### Weatherproof

- + Maximum pressure load (static) 5400 Pa
- + Hail test (max. hail): Ø 45 mm, Impact velocity 23 m/s, 83 km/h

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



## ENERGY IN A DIFFERENT LIGHT



Luxor, your specialised company



**Luxor Solar GmbH**  
Königstraße 26 | 70173 Stuttgart | Deutschland  
T +49.711.88 888-999 | F +49.711.88 888-911  
info@luxor-solar.com | www.luxor-solar.com

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German  
Solar  
Engineering

# SOLAR ENERGY SUSTAINABLE AND INEXHAUSTIBLE



It is fascinating, the force with which the sun propels our world and provides us humans with limitless energy. We at Luxor Solar have made it our mission to ensure that this inexhaustible source of energy is permanently available by producing durable, high-quality photovoltaic modules in German engineering quality.

Inspired and motivated by the grand idea of solar energy, at Luxor we have been manufacturing brand modules to order since 2004. With over ten years experience and an installed capacity of more than 5.1 million solar modules in over 30 countries, Luxor is one of the most well-established companies in the solar industry.

Down-to-earth economies and robust products are the basis for our success. Our ISO certification provides evidence of our quality standards. We are particularly proud that we are able to act independently as a self-funded company. This allows us to respond quickly in an ever-changing market. And we can afford to make long-term decisions that are not based on rapid distribution of profits. Our high equity ratio provides the guarantee of this, and our excellent ratings with Schufa and Creditreform offer further proof. For our customers in projects, trade and manual work, we are therefore a reliable partner able to respond flexibly to individual customer requirements.

On the following pages, we will present Luxor as a company, Luxor's products, and our criteria for high-quality production.

Welcome to Luxor Solar.

Volker Leh, Managing Director

## Luxor figures and facts

### 2004

Founding of the Luxor brand. Headquarters in Stuttgart.

### 2007

Introduction of comprehensive Luxor production quality guidelines by Managing Director Volker Leh (Dipl.-Ing. Architect).

### 2011

Establishment of our first branch office (Quality Management): Luxor Solar Technologies (Shanghai) Co., Ltd.

### 2012

+ ISO 9001:2008 (Quality Management), ISO 14001:2004 (Environmental Management) and OSAS 18001:2007 (Occupation Health and Safety Management Systems).  
+ Founding of Luxor Solar K. K. (Tokyo, Japan).

### Facts

+ Production capacity as of 2014: 300 MWp  
+ Sales in 2014: over 60 million euros  
+ Complaint rate: 0.003 %  
+ Production locations: Europe, Asia

# WITH THE QUALITY AWARENESS OF GERMAN ENGINEERS



With its products, Luxor Solar stands for reliable, high performance solar modules manufactured in German engineering quality.

How well a solar module works is shown not only on the roof, but already during manufacturing. The quality of Luxor solar modules is shown in all locations where they are tested for low-light performance, degree of cross-linking, temperature coefficient and module performance. For example at the TÜV, the Fraunhofer Institute in Freiburg or the Photovoltaics Institute Berlin.

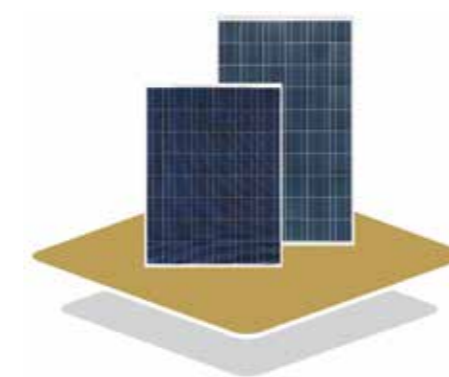
Our strict quality controls begin in production. For this reason, we have developed our own manufacturing guidelines, using our years of experience and the sum total of our expertise:

- + On-site monitoring by our own engineers.
- + 100% pre-sorting of cells according to current, voltage and optics.
- + 100% testing of modules for micro-cracks before and after lamination through electroluminescence.
- + High-quality flashers with parameters checked and monitored by Luxor for precise measurement results.

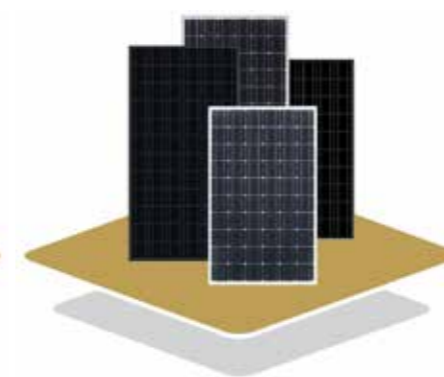
This results in a quality, which we at Luxor guarantee with our comprehensive guarantee. In addition, this is confirmed for us by independent testing institutes.



ECO LINE  
POLYKRISTALLIN



ECO LINE  
MONOKRISTALLIN



SOLO LINE  
MONOKRISTALLIN  
POLYKRISTALLIN



# IS TRUE FOR OUR PRODUCTS, FLEXIBILITY NOT COMPLEXITY

Cell type	Designation	Nominal rating P <sub>mpp</sub> [Wp]	Plus tolerance [Wp]	Efficiency at STC [%]	Weight [kg]	Dimensions [mm]
<b>ECO LINE 48 / 200 W</b>	LX-200P / 156-48S	200.00	0 - 6.49	15.24	15.4	1324 x 992 x 35
48-cell   poly						
<b>ECO LINE 60 / 250 - 260 W</b>	LX-250P / 156-60S	250.00	0 - 6.49	15.38	18.3	1640 x 992 x 40
60-cell   poly	LX-260P / 156-60S	260.00	0 - 6.49	15.99	18.3	1640 x 992 x 40
<b>ECO SMART LINE 60 / 250 - 260 W</b>	LX-250P / 156-60S	250.00	0 - 6.49	15.37	18.0	1640 x 992 x 40
60-cell   poly   Tigo Energy®	LX-255P / 156-60S	255.00	0 - 6.49	15.58	18.0	1640 x 992 x 40
	LX-260P / 156-60S	260.00	0 - 6.49	15.89	18.0	1640 x 992 x 40
<b>ECO SMART LINE 60 / 250 - 260 W</b>	LX-260P / 156-60S	260.00	0 - 6.49	15.89	18.0	1640 x 992 x 40
60-cell   poly   Solaredge	LX-265P / 156-60S	265.00	0 - 6.49	16.19	18.0	1640 x 992 x 40
<b>ECO LINE 60 / 250 - 285 W</b>	LX-250M / 156-60S	250.00	0 - 6.49	15.38	18.3	1640 x 992 x 40
60-cell   mono	LX-260M / 156-60S	260.00	0 - 6.49	15.99	18.3	1640 x 992 x 40
	LX-270M / 156-60S	270.00	0 - 6.49	16.60	18.3	1640 x 992 x 40
	LX-275M / 156-60S	275.00	0 - 6.49	16.92	18.3	1640 x 992 x 40
	LX-280M / 156-60S	280.00	0 - 6.49	17.24	18.3	1640 x 992 x 40
	LX-285M / 156-60S	285.00	0 - 6.49	17.58	18.3	1640 x 992 x 40
<b>ECO LINE FULL BLACK 60 / 250 - 270 W</b>	LX-250M / 156-60S	250.00	0 - 6.49	15.46	18.3	1640 x 992 x 40
60-cell   mono	LX-260M / 156-60S	260.00	0 - 6.49	16.00	18.3	1640 x 992 x 40
	LX-265M / 156-60S	265.00	0 - 6.49	16.30	18.3	1640 x 992 x 40
	LX-270M / 156-60S	270.00	0 - 6.49	16.63	18.3	1640 x 992 x 40
<b>ECO LINE 72 / 200 - 210 W</b>	LX-200M / 125-72S	200.00	0 - 6.49	15.68	15.0	1580 x 808 x 35
72-cell   mono	LX-205M / 125-72S	205.00	0 - 6.49	16.08	15.0	1580 x 808 x 35
	LX-210M / 125-72S	210.00	0 - 6.49	16.49	15.0	1580 x 808 x 35
<b>ECO LINE FULL BLACK 72 / 200 W</b>	LX-200M / 125-72S	200.00	0 - 6.49	15.79	15.0	1580 x 808 x 35
72-cell   mono						
<b>ECO LINE 72 / 300 - 320 W</b>	LX-300M / 156-72S	300.00	0 - 6.49	15.47	23.2	1956 x 992 x 50
72-cell   mono	LX-320M / 156-72S	320.00	0 - 6.49	16.52	23.2	1956 x 992 x 50
<b>SOLO LINE 36 / 10 - 160 W</b>	LX-10M / 36S	10.00	0 - 0.50	9.67	1.5	293 x 353 x 35
36-cell   mono   poly	LX-50P / 36S	50.00	0 - 2.50	13.98	5.5	665 x 538 x 35
	LX-100M / 36S	100.00	0 - 5.00	15.45	7.8	542 x 1194 x 35
	LX-150P / 36S	150.00	0 - 7.50	13.97	11.5	676 x 1482 x 35
	LX-150M / 36S	150.00	0 - 7.50	15.45	11.5	676 x 1482 x 35
	LX-160M / 36S	160.00	0 - 8.00	15.45	11.5	676 x 1482 x 35

Specification as per STC (Standard test conditions): irradiance 1000 W/m<sup>2</sup> | module temperature 25°C | AM = 1,5 | NOCT (nominal operating cell temperature): irradiance 800 W/m<sup>2</sup> | wind speed 1 m/sec | temperature 20°C | AM = 1,5 | Max. pressure load (static): 5400 Pa (except Sololine) | Specifications are subject to change without notice | All rights reserved, errors expected.



product guarantee<sup>1</sup>



linear performance guarantee<sup>1</sup>