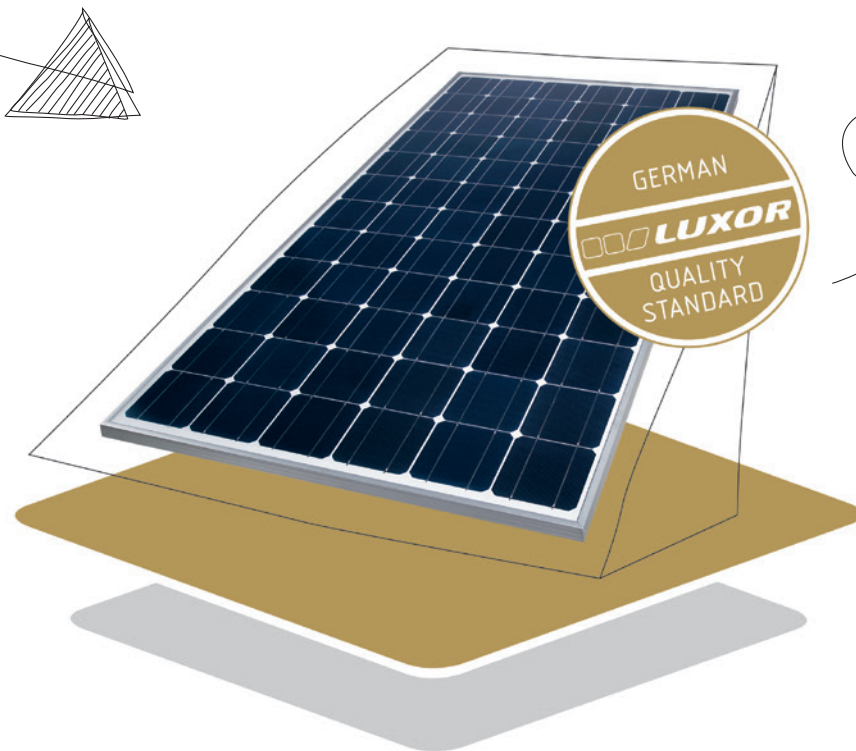
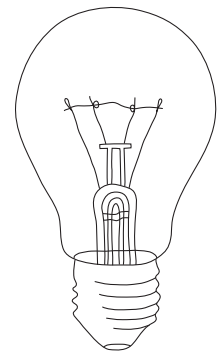



ENERGY IN
A DIFFERENT
LIGHT



 Solar Module
Manufacturer
Since 2004

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 13 years experience, an annual production capacity of 300 MWp and installations in over 60 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.

A handwritten signature in black ink, appearing to read 'Volker Leh'.

Volker Leh, Managing Director

Luxor figures and facts

2004

Founding of the Luxor brand. Headquarters in Stuttgart.

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).

2015

+ ISO 9001: 2008 (Quality Management), ISO 14001: 2004 (Environmental Management).

2016

+ Founding of Luxor Solar LLC (California, USA).

Facts

- + Production capacity of 2018: 300 MWp
- + Sales in 2018: 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.

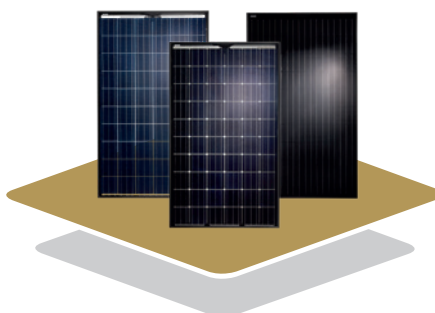
This results in a quality, which we at Luxor guarantee with our comprehensive guarantee. In addition, this is confirmed for us by independent testing institutes.



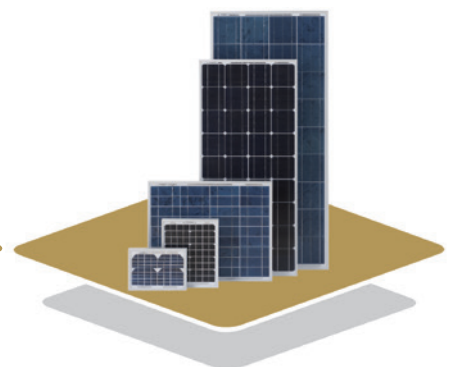
ECO LINE
MONOCRISTALLINE
POLYCRISTALLINE



SECURE LINE
MONOCRISTALLINE
POLYCRISTALLINE



SOLO LINE
MONOCRISTALLINE
POLYCRISTALLINE



IS TRUE FOR OUR PRODUCTS, FLEXIBILITY NOT COMPLEXITY



Cell type	Nominal rating Pmpp (Wp)	Plus tolerance (Wp)	Maximal Power (Wp) up to	Efficiency at STC (%) up to	Dimensions (mm)
ECO LINE M48 48-cells monocrystalline	240 - 260	6.49	266.49	20.29%	1324 x 992 x 35
ECO LINE P48 48-cells polycrystalline	200 - 220	6.49	226.49	17.24%	1324 x 992 x 35
ECO LINE M60 60-cells monocrystalline	300 - 320	6.49	326.49	20.07%	1640 x 992 x 35
ECO LINE FULL BLACK M60 60-cells monocrystalline	290 - 310	6.49	316.49	19.45%	1640 x 992 x 35
ECO LINE P60 60-cells polycrystalline	270 - 290	6.49	296.49	18.22%	1640 x 992 x 35
ECO LINE GLASS-GLASS M60 60-cells monocrystalline	290 - 310	6.49	316.49	18.97%	1682 x 992 x 35
ECO LINE GLASS-GLASS P60 60-cells polycrystalline	265-285	6.49	291.49	17.47%	1682 x 992 x 35
ECO LINE M72 72-cells monocrystalline	340 - 360	6.49	366.49	18.89%	1956 x 992 x 40
ECO LINE P72 72-cells polycrystalline	320 - 340	6.49	346.49	17.86%	1956 x 992 x 40
ECO LINE M72 72-cells monocrystalline 5 inch	200 - 220	6.49	226.49	17.74%	1580 x 808 x 35
ECO LINE FULL BLACK M72 72-cells monocrystalline 5 inch	190 - 210	6.49	216.49	16.96%	1580 x 808 x 35
ECO LINE HALF CELLS M120 120-cells monocrystalline	310 - 330	6.49	336.49	20.25%	1675 x 992 x 35
ECO LINE HALF CELLS P120 120-cells polycrystalline	280 - 300	6.49	306.49	18.45%	1675 x 992 x 35
ECO SMART LINE FULL BLACK M60 60-cells monocrystalline	280 - 300	6.49	306.49	18.84%	1640 x 992 x 35
ECO SMART LINE P60 60-cells polycrystalline	260 - 280	6.49	286.49	17.61%	1640 x 992 x 35
SECURE LINE M60 60-cells monocrystalline transparent	280 - 300	6.49	306.49	18.22%	1682 x 1000 x 40
SECURE LINE FRAMELESS M60 60-cells monocrystalline transparent	275 - 300	6.49	306.49	18.22%	1673 x 991 x 6.8
SECURE LINE FULL BLACK M60 60-cells monocrystalline	270 - 290	6.49	296.49	17.63%	1682 x 1000 x 40
SECURE LINE P60 60-cells polycrystalline transparent	260 - 280	6.49	286.49	17.03%	1682 x 1000 x 40
SECURE SMART LINE FULL BLACK M60 60-cells monocrystalline	270 - 290	6.49	296.49	17.63%	1682 x 1000 x 40
SOLO LINE P36 36-cells polycrystalline	10	5%	10.50	10.15%	353 x 293 x 35
	50		52.50	14.67%	538 x 665 x 35
	150		157.50	15.72%	1482 x 676 x 35
SOLO LINE M36 36-cells monocrystalline	100	5%	105.00	16.23%	1194 x 542 x 35
	150		157.50	15.72%	1482 x 676 x 35
	160		168.00	16.77%	1482 x 676 x 35

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 | Specifications are subject to change without notice | All rights reserved, errors expected.



3 GOOD REASONS FOR LUXOR SOLAR MODULES



**POWER
PROOFED**



Powerful

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



Efficient

- + Cells: Efficiency over 22.8%
- + Modules: Efficiency over 20%
- + Tempered solar glass: Anti-glare and optimised composition for maximum light transmission.



Practical

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



**LONGLIFE
TESTED**



Luxor Guarantee¹

- + 15 years product guarantee
- + Linear performance guarantee
- + 50 years laminate guarantee



Secure

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



Certified²

- + Salt spray test
- + Ammonia test
- + 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



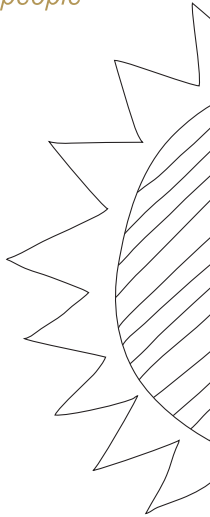
Weatherproof

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

1) Exact guarantee terms and conditions at www.luxor-solar.com/download.htm

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





Luxor, your specialised company



Luxor Solar GmbH

Theodor-Heuss-Straße 30 | 70174 Stuttgart | Germany

T +49.711.88 888-999 | F +49.711.88 888-911

info@luxor-solar.com | www.luxor-solar.com

© 2018