

SLK60P6L 220Wp - 255 Wp

Poly-Crystalline Solar Modules

Real World Tested • Globally Trusted

siliken



- **Excellent Power Tolerance +3/0 %**
- **10 Year Limited Warranty Product**
- **25 Year Linear Power Guarantee**
- **Outstanding Low-Light Performance**
- **UL, TÜV and Intertek Certified for Worldwide Applications**
- **High Performance Modules with Efficiency up to 15,7%**
- **Carbon Friendly**



The Siliken module is rated first by Photon Laboratory for long term energy production. It generates 5.9% more power than the average value of all the modules studied and 12.4% more than the minimum value recorded.

Why Siliken?

- Our global success has established a solid foundation to service the long-term needs of the solar industry.
- With over 300 MW installed worldwide, we have built a respected brand by consistently providing a quality product with proven performance.
- Our firm commitment to R&D allows us to reduce costs and permanently improve efficiency. What's more, it enables us to improve our existing products and develop new technologies in the renewable energy sector.



Siliken Reliability

The Siliken modules are certified according to UL and IEC standards. The high quality and reliability ensure the prompt return of investment for any PV installation, including residential, commercial or utility scale.

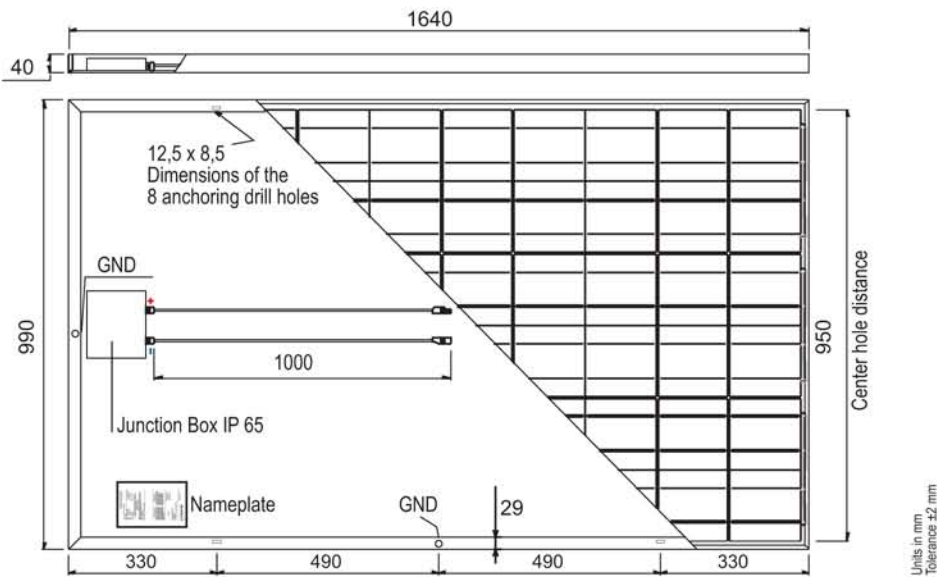
Each module goes through its testing phases, including strict power production verification and resistance tests in radiation simulators. With innovative products and solutions successfully implemented around the world, Siliken is a recognized global leader in solar power.



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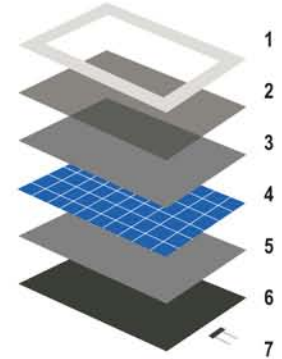
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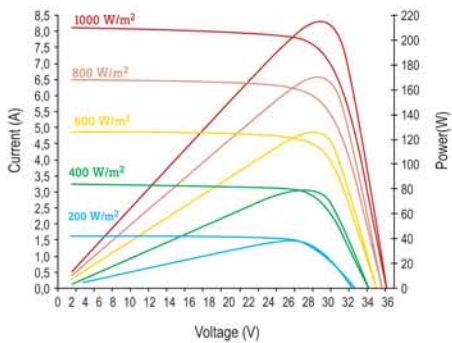


Constructive Characteristics

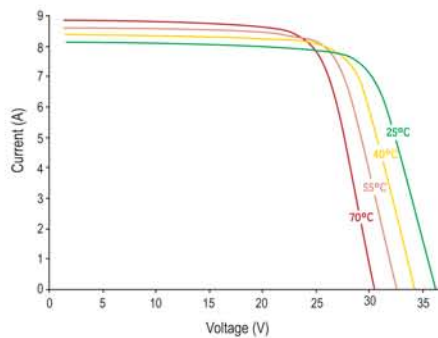
- 1 FRAME
- 2 GLASS PLATE
- 3 & 5 EVA
- 4 CELLS
- 6 BACKSIDE FOIL
- 7 JUNCTION BOX



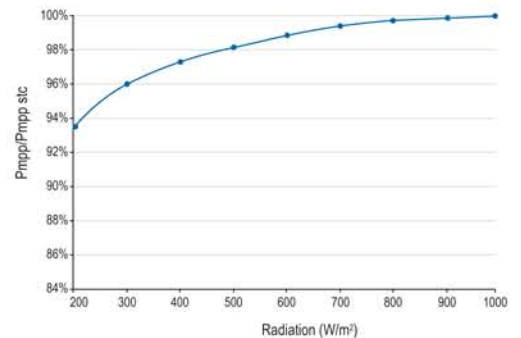
SLK60P6L - 225 Wp
I-V and Pmax characteristics with a variety of radiation levels at 25°C



SLK60P6L - 225 Wp
I-V characteristics with a variety of cell temperatures at 1.000 W/m²



Weak light performance at Pmpp
— Siliken module's average



Mechanical Data

Dimensions (LxWxD)	1640 x 990 x 40 mm
Weight	19 kg
Output Cables	Symmetrical length cable 1 m Ø4 mm², double insulation coating, halogen free, UV resistance
Junction Box	IP-65 rated with bypass diodes
Frame	Anodized aluminum of 15 microns thickness type 6063 T6
Front Glass	3,2 mm low iron tempered glass with high transmissivity
Solar Cells	60 Poly-crystalline cells 156 x 156 mm

Electrical Data

Parameter	Symbol	220*	225*	230	235	240	245	250*	255*
Maximum power at STC (+3/0 %)	P _{mp} (Wp)	220	225	230	235	240	245	250	255
Efficiency at STC	η (%)	13,6	13,9	14,2	14,5	14,8	15,1	15,4	15,7
Fill Factor	FF	0,740	0,746	0,749	0,752	0,753	0,757	0,756	0,762
Voltage at Maximum Power	V _{mp} (V)	29,2	29,3	29,5	29,5	29,6	29,6	29,8	29,8
Current at Maximum Power	I _{mp} (A)	7,54	7,68	7,79	7,97	8,12	8,27	8,39	8,56
Open Circuit Voltage	V _{oc} (V)	36,7	36,8	36,9	36,9	37,0	37,0	37,1	37,1
Short Circuit Current	I _{sc} (A)	8,10	8,20	8,32	8,47	8,61	8,75	8,91	9,02
Maximum Voltage UL / IEC	V _{max} (V) UL/IEC	600 / 1000							
Temperature Coefficient of Pmp	T _{kPmp} (%/°C)	-0,43							
Temperature Coefficient of Voc	T _{kVoc} (%/°C)	-0,356							
Temperature Coefficient of Isc	T _{kIsc} (%/°C)	+0,062							
Normal Operating Cell Temperature	NOCT (°C)	46±2							
Series Fuse Rating	A	11							
Bypass Diodes	A / V	12/40							
Reverse current test	A	13,5							

Values at Standard Test Conditions STC: Irradiance 1.000 W/m², Air Mass AM 1,5 and cell temperature 25°C.
* Subject to availability.

Certifications

UL Listed and Intertek	UL ORD-C1703-01 / UL1703
Fire Rating	Class C
TÜV Certified	IEC 61215 / IEC 61730 / 61701 Salt Mist Corrosion
ISO 9001:2000	N° ES08/5170
ISO 14001	N° ES09/6520
EC Declaration of conformity (CE Mark)	
MCS United Kingdom	

Tested Operating Conditions

Temperature	-40 °C to +85 °C
Static Load	2400 Pa
Max Load	5400 Pa
Impact Resistance	Hailstone impact Ø25 mm at 23 m/s

Product Warranty

10 year limited warranty on materials and workmanship

25 Year Linear Power Guarantee

Year 1: 97% of rated output
Years 2-25: 0.7% p.a. reduction

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