

SILFAB

SLG 290/295/300/305/310 P



Maximum Efficiency

72 of the highest efficiency, best quality polycrystalline cells result in a maximum power rating of 310 Wp.

Positive Tolerance

-0/+5W module sorting achieves the maximum electrical performance of the PV system.

Industry Experts

Silfab's technical team has specialized experience in the entire photovoltaic value chain, with modules produced and operating for over 30 years.

Highest Automation

Strict quality controls during each step of one of the world's most automated module production facilities.

Increased Quality

Top quality materials and 100% EL testing guarantee a trustworthy 25-year performance warranty.

Reduced Weight

Engineered to accommodate low load bearing structures while maintaining highly durable mechanical characteristics including a maximum loading of 5400 Pa.



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Electrical Specifications - Standard Test Conditions		SLG 290 P	SLG 295 P	SLG 300 P	SLG 305 P	SLG 310 P
Module Power (Pmax)	Wp	290	295	300	305	310
Open circuit voltage (Voc)	V	44.9	45.1	45.3	45.5	45.7
Short circuit current (Isc)	A	8.52	8.62	8.72	8.82	8.90
Maximum power voltage (Vpmax)	V	36.3	36.5	36.7	36.9	37.1
Maximum power current (Ipmx)	A	8.03	8.12	8.21	8.30	8.39
Module efficiency	%	14.9	15.1	15.4	15.6	15.9
Maximum system voltage (UL)	VDC	600 or 1000 (on request)				
Series fuse rating	A	15				
Power tolerance	Wp	-0/+5				

Measurement conditions: STC 1000 W/m² - AM 1.5 - Temperature 25 °C • Measurement uncertainty ≤ 3% • Sun simulator calibration with modules calibrated by Fraunhofer Institute. Electrical characteristics may vary by ±5% and power by -0/+5W.

Temperature Ratings		SILFAB SLG Poly
Temperature Coefficient Isc	%/K	0.06
Temperature Coefficient Voc	%/K	-0.31
Temperature Coefficient Pmax	%/K	-0.41
NOCT (±2 °C)	°C	41
Operating temperature	°C	-40/+85

Mechanical Properties and Components		SILFAB SLG Poly
Module weight (± 1 kg)	kg	23
Dimensions (H x L x D; ± 1mm)	mm	1970 x 990 x 38
Maximum surface load (wind / snow)	N/m ²	5400
Hail impact resistance		Ø 25 mm at 83 km/h
Cells		72 - Si polycrystalline - 3 busbar - 156 x 156 mm
Glass		3.2 mm high transmittance, tempered, antireflective coating (when required)
Encapsulant		EVA
Backsheet		Multilayer polyester-based
Frame		Anodized Al 6060 T5, 15 µm
Bypass diodes		3 diodes SL1515 (Tyco) or 6 diodes PS4512 (Renhe)
Junction box and cables*		Tyco or Renhe, 2 x 1300 mm Ø 5.7 mm (4 mm ²)
Connectors		Tyco or MC4 comparable

* Tigo Energy module maximizer integrated junction box available on request

Warranties		SILFAB SLG Poly
Module warranty		12 years
Guaranteed power		≥ 97.5% end of 1 st year ≥ 90% end of 12 th year ≥ 82% end of 25 th year

Certifications		SILFAB SLG Poly
Product		ULC ORD C1703, UL 1703, IEC 61215, IEC 61730
Factory		Product traceability ISO 9001:2008

Caution: Read the safety and installation manual before using this product.



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