



SILFAB

SLA-M 280/285/290/295/300



The Silfab SLA-M 60-cell monocrystalline module series is the result of the experience of the Silfab technical team, specialized in the entire photovoltaic value chain, with modules produced and operating for over 33 years.

The SLA-M modules are ideal for ground-mount, roof-top and solar tracking installations where maximum power density is preferred.

Maximum Efficiency

60 of the highest efficiency, best quality monocrystalline cells result in a maximum power rating of up to 300 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 33 years.

Highest Automation

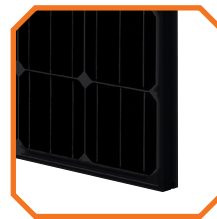
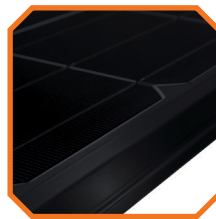
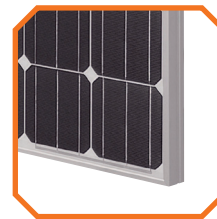
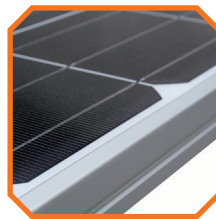
Strict quality controls during each step at one of the world's most automated module production facilities.

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.



Available in Black



Electrical Specifications - Standard Test Conditions		SLA280M	SLA285M	SLA290M	SLA295M	SLA300M
Module Power (Pmax)	Wp	280	285	290	295	300
Maximum power voltage (Vpmax)	V	31.7	32.0	32.4	32.7	32.9
Maximum power current (Ipmax)	A	8.83	8.91	8.97	9.04	9.26
Open circuit voltage (Voc)	V	38.7	39.1	39.6	40	40.53
Short circuit current (Isc)	A	9.40	9.47	9.54	9.61	9.76
Module efficiency	%	17.1	17.4	17.8	18.06	18.8
Maximum system voltage (VDC)	V	1000				
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 reference modules from Fraunhofer Institute.
Electrical characteristics may vary by ±5% and power by -0/+5W.

Temperature Ratings	SILFAB SLA Mono	
Temperature Coefficient Isc	%/K	0.03
Temperature Coefficient Voc	%/K	-0.30
Temperature Coefficient Pmax	%/K	-0.38
NOCT (± 2 °C)	°C	45
Operating temperature	°C	-40/+85

Mechanical Properties and Components	SILFAB SLA Mono	
Module weight (± 1 kg)	kg	19
Dimensions (H x L x D; ± 1mm)	mm	1650 x 990 x 38
Maximum surface load (wind/snow)*	N/m ²	5400
Hail impact resistance		Ø 25 mm at 83 km/h
Cells		60 - Si monocrystalline - 3 or 4 busbar - 156 x 156 mm
Glass		3.2 mm high transmittance, tempered, antireflective coating
Encapsulant		PID-resistant EVA
Backsheet		Multilayer polyester-based
Frame		Anodized Al
Junction Box		3 diodes-45V/12A, IP67
Cables and connectors*		1200 mm Ø 5.7 mm (4 mm ²), gzx connector, MC4 comparable

* See installation manual

Warranties	SILFAB SLA Mono	
Module product warranty		12 years 25 years
Linear power performance guarantee		≥ 97% end of 1 st year ≥ 90% end of 12 th year ≥ 82% end of 25 th year

Certifications	SILFAB SLA Mono	
Product	ULC ORD C1703, UL 1703, IEC 61215, IEC 61730, CEC listed UL Fire Rating: Type 2 (Type 1 on request)	
Factory	ISO 9001:2008	

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

Third-party generated pan files from PV Evolution Labs are available for 280M, 285M, 290M, 295M and 300M.



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