

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	
Factory	UL Fire Rating: Type 2 (Type 1 on request) 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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