



# Silfab

## SOLAR

Silfab Solar Inc.  
PV Module Data Sheet  
SLA-M 260/265/270/275/280/285/290

thanks

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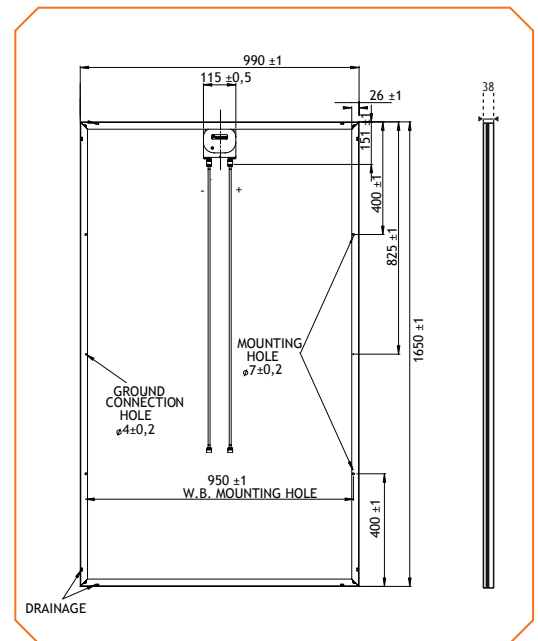
The **Silfab SLA-M 60-cell monocrystalline modules** are ideal for ground-mount, roof-top and solar tracking installations where maximum power density is required.

**Maximum Efficiency...** 60 of the highest efficiency, best quality monocrystalline cells result in a maximum power rating of 290 Wp.

**Positive Tolerance...** (-0/+5W) module sorting achieves the maximum electrical performance of the PV system.

**Highest Automation...** Strict quality controls during each step 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.



Electrical Specifications - Standard Test Conditions		SLA260M	SLA265M	SLA270M	SLA275M	SLA280M	SLA285M	SLA290M
Module Power (P <sub>max</sub> )	Wp	260	265	270	275	280	285	290
Maximum power voltage (V <sub>pmax</sub> )	V	30.8	31.0	31.2	31.4	31.7	32.0	32.4
Maximum power current (I <sub>pmax</sub> )	A	8.49	8.55	8.65	8.76	8.83	8.91	8.97
Open circuit voltage (V <sub>oc</sub> )	V	37.8	38.0	38.2	38.4	38.7	39.1	39.6
Short circuit current (I <sub>sc</sub> )	A	9.04	9.11	9.22	9.32	9.40	9.47	9.54
Module efficiency	%	15.9	16.2	16.5	16.8	17.1	17.4	17.8
Maximum system voltage (V <sub>DC</sub> )	V	1000						
Series fuse rating	A	15						
Power tolerance	Wp	-0/+5						

Measurement conditions: STC 1000 W/m<sup>2</sup> • 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 SLA Mono
Temperature Coefficient I <sub>sc</sub>	%/K	0.03
Temperature Coefficient V <sub>oc</sub>	%/K	-0.30
Temperature Coefficient P <sub>max</sub>	%/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 <sup>2</sup>	5400
Hail impact resistance		Ø 25 mm at 83 km/h
Cells		60 - Si monocrystalline - 3 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
Bypass diodes		6 diodes-45V/12A
Cables and connectors*		1300 mm Ø 5.7 mm (4 mm <sup>2</sup> ), MC4 comparable

Warranties		SILFAB SLA Mono
Module warranty		12 years

Guaranteed power	≥ 97% end of 1 <sup>st</sup> year ≥ 90% end of 12 <sup>th</sup> year ≥ 82% end of 25 <sup>th</sup> year
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Certifications		SILFAB SLA Mono
Product		ULC ORD C1703, UL 1703, IEC 61215, IEC 61730, CEC listed
Factory		Product traceability ISO 9001:2008

Also available as... **Silfab Smart Module**

Optimized by: **Tigo**  
energy