



Solaria 230W/220W/210W

Module Series: Mono-crystalline Solar Panels

The Solaria solar panel is the industry's first PV module optimized for tracking applications. Innovative optics provides performance comparable to other monocrystalline PV modules while using half the silicon cells. Available in 230 W, 220 W or 210 W modules.

Quality & Safety

Solaria modules are certified according to UL and IEC flat plate standards by Underwriters Laboratories and TÜV. Every Solaria module undergoes rigorous in-house testing that exceeds industry standard requirements.

Standard, Proven & Reliable

Reliable mono-crystalline silicon, a strong, specially designed tempered glass, and a sturdy anodized aluminum frame, along with other UL listed solar industry materials ensures that the Solaria module is exceptionally reliable and resilient.

High-efficiency Module at Lower Cost Point

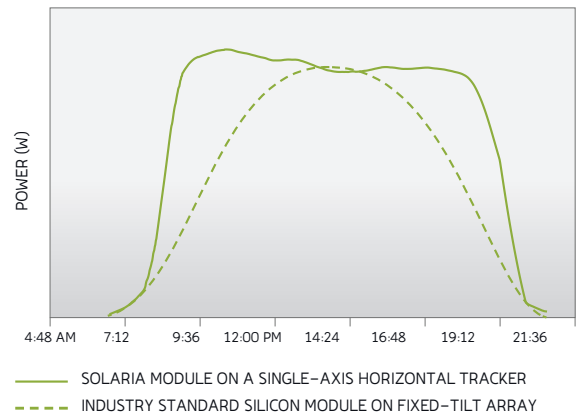
Patented cell multiplication technology pioneered by Solaria reduces silicon cell material by half – enabling lower cost at equivalent energy output in tracking applications.

Value Engineering

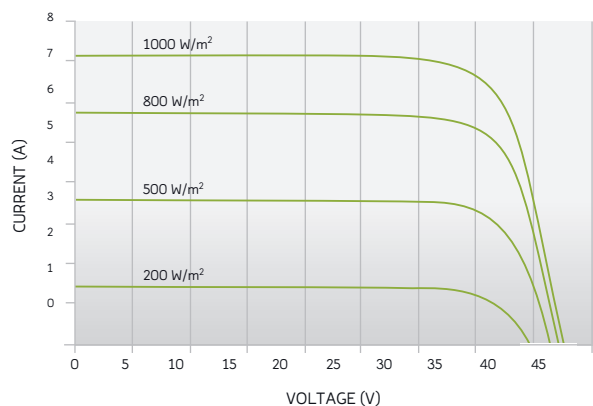
Solaria modules have been specifically designed for tracking applications, resulting in improved performance, greater useful strength, and reduced costs. Performance improvements occur from matching module size and electrical characteristics to the unique demands of trackers. High strength glass and other module components mean less steel and aluminum is needed for the support structures. Efficient design and engineering specific to trackers result in labor cost savings. Add this up, and Solaria modules – which already use silicon cells more efficiently – provide all the reliability, performance and predictability of silicon modules at an attractive price consistently below typical silicon modules.



Solar Trackers Deliver Higher Value



Electrical Data (200 W/m² – 1000 W/m²)



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ELECTRICAL DATA

Measured at standard test conditions (STC) Irradiance 1000W/m², Air Mass 1.5, Temperature 25 °C

	Maximum power at STC	Pmax	210	220	230	W
Power tolerance			+5/-2%	+5/-2%	+5/-2	%
Voltage at maximum power	Vmp		33.81	34.03	34.20	V
Current at maximum power	Imp		6.21	6.46	6.71	A
Open-circuit voltage	Voc		41.59	42.30	43.02	V
Short-circuit current	Isc		7.13	7.19	7.24	A
Maximum system voltage	IEC, UL	1000, 600	1000, 600	1000, 600	1000, 600	V
Series fuse rating			15	15	15	A
Operating temperature			-40 to +85	-40 to +85	-40 to +85	°C
NOCT			45 +/- 2	45 +/- 2	45 +/- 2	°C

MECHANICAL DATA

Cell type	Mono-Crystalline Silicon Cells
Module dimension	1617 x 1023 x 45 mm (63.7 x 40.3 x 1.8 inches)
Weight	31.8 kg (70.0 lbs)
Junction box	IP65 rating
Junction box dimensions	150 x 133 x 25 mm (5.9 x 5.2 x 1.0 inches)
Bypass diodes	5
Cable length	1000 mm (39.4 inches)
Connector type	MC4
Frame	Anodized aluminum alloy
Maximum load	2400 Pascal

TEMPERATURE COEFFICIENTS

Open-circuit voltage	Voc	-0.39 % / °C
Power	Pmax	-0.50 % / °C
Short-circuit current	Isc	0.045 % / °C

WARRANTIES

5 Year workmanship, 25 Year limited power warranty.

CERTIFICATION

IEC61215/61730, UL1703, Class C fire rating

PHYSICAL DIMENSIONS

