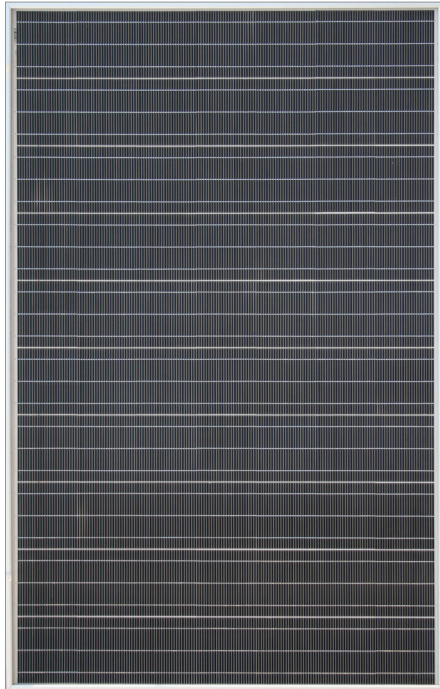


The Solaria 230 is the industry’s first PV module optimized for tracking applications. Innovative optics provides performance comparable to other mono-crystalline PV modules while using half the silicon cell material.



QUALITY AND SAFETY

Solaria 230 modules are certified according to UL and IEC flat plate standards by Underwriters Laboratories and TÜV. Every Solaria 230 module undergoes rigorous in-house testing that exceeds industry standard requirements.

STANDARD, PROVEN & RELIABLE

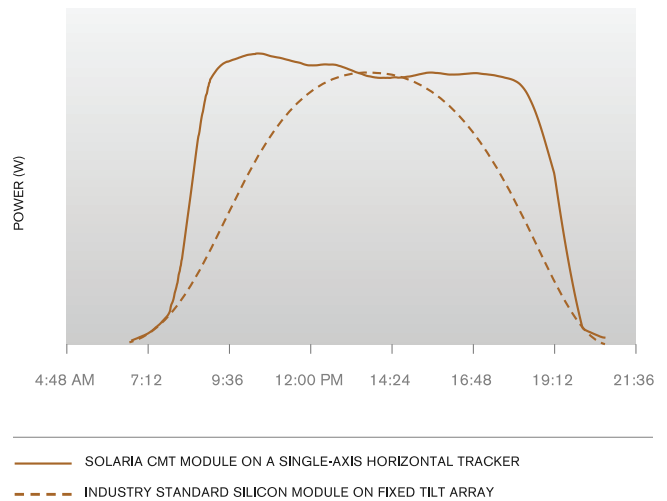
Reliable mono-crystalline silicon, a strong, specially designed tempered glass, and a sturdy anodized aluminum frame, along with other UL listed solar industry materials ensures that the Solaria 230 is exceptionally reliable and resilient.

HIGH EFFICIENCY MODULE AT LOWER COST POINT

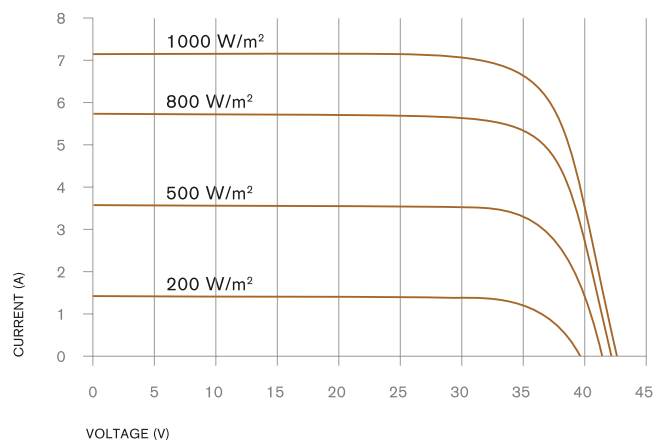
Patented cell multiplication technology pioneered by Solaria reduces silicon cell material by half – enabling lower cost at equivalent energy output in tracking applications.

TRACKING PERFORMANCE AT THE COST OF FIXED

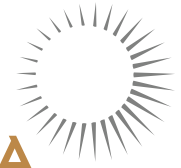
If you are planning a fixed-tilt PV system, consider a tracking system using Solaria 230 modules instead. Requiring less expensive single-axis tracking, a Solaria 230-based system will generate approximately 15-30%¹ more energy than fixed mount installations, or allow a comparable reduction in cost for the same output. In addition, tracker systems generate more power during periods of peak demand when energy is most needed and most valuable.



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



¹ Depending on tracker type and location



SOLARIA

230 WATT MONO-CRYSTALLINE SILICON SOLAR PANEL

ELECTRICAL DATA				
Measured at standard test conditions (STC) Irradiance 1000W/m ² , Air Mass 1.5, Temperature 25°C		Maximum power at STC	P_{max}	230 W
		Power tolerance		+5/-2 %
		Voltage at maximum power	V_{mp}	33.4 V
		Current at maximum power	I_{mp}	6.88 A
		Open-circuit voltage	V_{oc}	42.5 V
		Short-circuit current	I_{sc}	7.1 A
		Maximum system voltage	IEC, UL	1000, 600 V
		Series fuse rating		15 A
		Operating temperature		-40 to +85 °C
		NOCT		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	

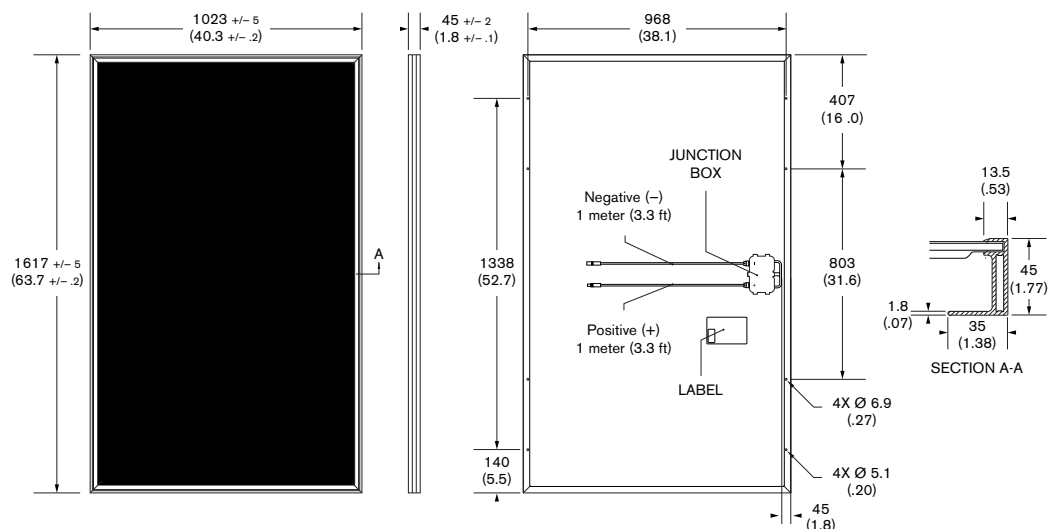
TEMPERATURE COEFFICIENTS				
	Open-circuit voltage	V_{oc}	-0.39	% / °C
	Power	P_{max}	-0.50	% / °C
	Short-circuit current	I_{sc}	0.045	% / °C

WARRANTIES 5 Year workmanship, 25 Year limited power warranty.

CERTIFICATION Pending: EC61215/61730, UL1703, Class C fire rating

PHYSICAL DIMENSIONS

Dimensions in millimeters (inches)



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Contact Solaria for tolerance specifications / Datasheet conforms to EN50380:2003
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