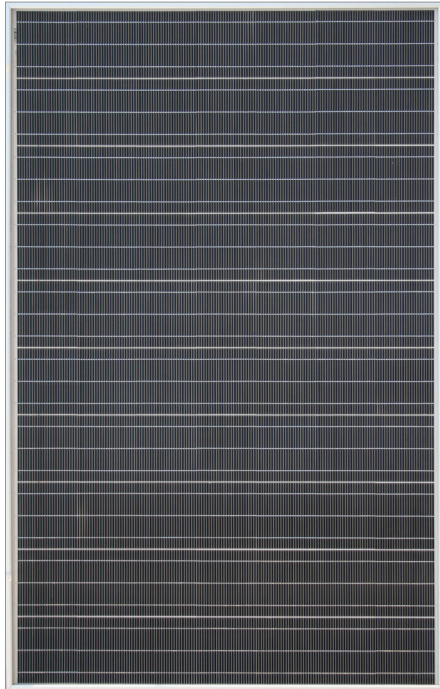


The Solaria 230 is the industry’s first PV module optimized for tracking applications. Innovative optics provides performance comparable to other mono-crystalline PV modules while using half the silicon cell material.



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

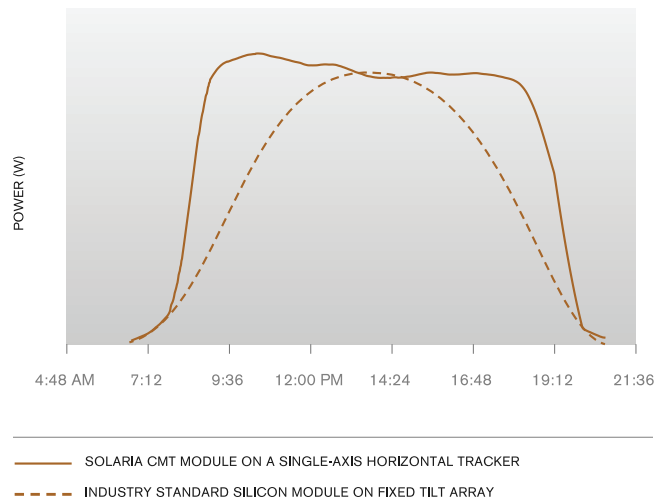
Reliable mono-crystalline silicon, a strong, specially designed tempered glass, and a sturdy anodized aluminum frame, along with other UL listed solar industry materials ensures that the Solaria 230 is exceptionally reliable and resilient.

HIGH EFFICIENCY MODULE AT LOWER COST POINT

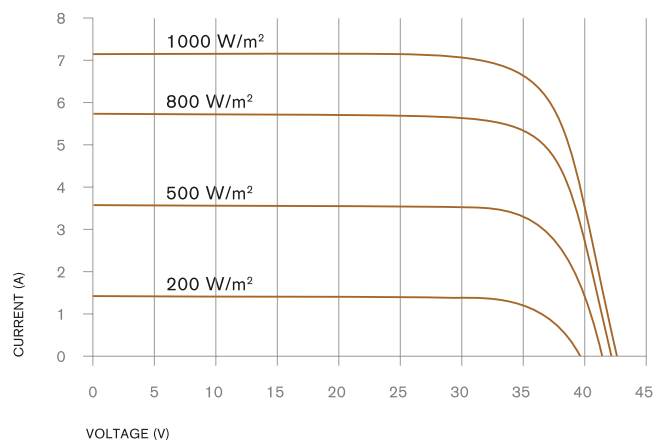
Patented cell multiplication technology pioneered by Solaria reduces silicon cell material by half – enabling lower cost at equivalent energy output in tracking applications.

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



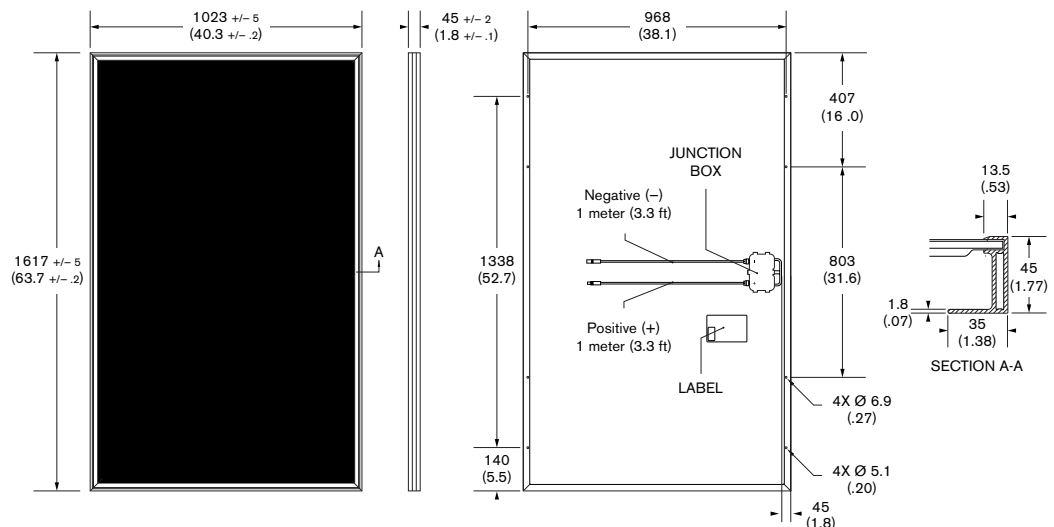
SOLARIA

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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 EMAIL / URL info@solaria.com / www.solaria.com

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