

SOLYNDRA

MODEL NUMBER



**FEATURES**

- Proprietary cylindrical modules optimize the collection of sunlight.
- Produces significantly more solar electricity per rooftop per year.
- Approximately two times the roof coverage with no need for tilting and spacing.
- Light weight and self ballasting.
- No penetrations or attachments required.
- Fast, easy, economical installation.
- UL1703 , IEC 61646, CEC listing IEC 61730, CE Mark Application Class A per IEC 61730-2 Fire Class C.
- Limited power warranty for 25 years. Limited product warranty for 5 years.

**SYSTEM SPECIFICATIONS**

Cells Type	Cylindrical CIGS
Dimensions	Panel: 1.82 m x 1.08 m x 0.05 m Height: 0.3 m to top of panels on mounts
Mounts	Non-penetrating, powder-coated Aluminum Up to 2.17 mounts per panel
Connectors	4 Tyco Solarlok; 0.20 m cable
Series Fuse Rating	23 Amps
Roof Load	16 kg/m <sup>2</sup> (3.3 lb/ft <sup>2</sup> ) panel and mounts
Panel Weight	31 kg (68 lb) without mounts
Nominal Operating Cell Temperature (NOCT)	41.7°C at 800 W/m <sup>2</sup> , Temp=20°C, Wind=1m/s

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## ELECTRICAL SPECIFICATIONS at STC

Irradiance at the module level of 1000 W/m<sup>2</sup>, air mass 1.5g and a cell temperature of 25°C

Model Number	SL-001-150	SL-001-157	SL-001-165	SL-001-173	SL-001-182	SL-001-191	SL-001-200 Release Date TBD
Power Rating (Pmp)	150 Wp	157 Wp	165 Wp	173 Wp	182 Wp	191 Wp	200 Wp
Power Tolerance (%/Wp)	+4, -5	±4	±4	±4	±4	±4	±4
Voltage at Maximum Power (Vmp)	65.7 V	67.5 V	69.6 V	71.7 V	73.9 V	76.1 V	78.3 V
Current at Maximum Power (Imp)	2.28 A	2.33 A	2.37 A	2.41 A	2.46 A	2.51 A	2.55 A
Open Circuit Voltage (Voc)	91.4 V	92.5 V	93.9 V	95.2 V	96.7 V	98.2 V	99.7 V
Short Circuit Voltage (Isc)	2.72 A	2.73 A	2.74 A	2.75 A	2.76 A	2.77 A	2.78 A

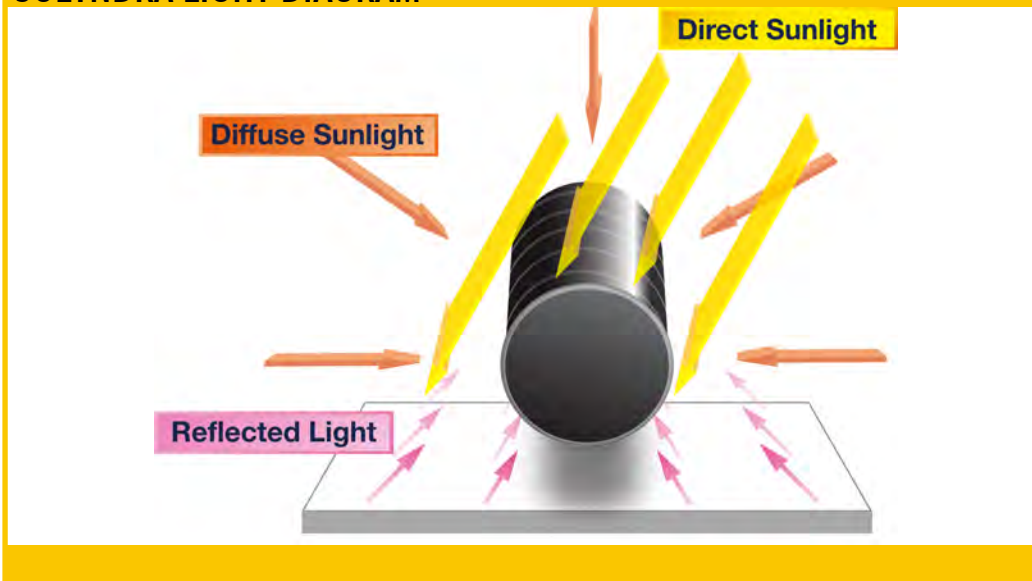
## TEMPERATURE COEFFICIENTS

Temp. Coefficient of Voc	(% / °C)	-.29
Temp. Coefficient of Isc	(% / °C)	-.02
Temp. Coefficient of Power	(% / °C)	-.38

## LIMITS

Maximum System Voltage	Universal design: 1000V (IEC) & 600V (UL) systems
Operating and Storage Temperature	-40 °C to +85 °C
Snow Load Maximum	2800 Pa (58.5 lb/ft <sup>2</sup> )
Wind Performance	208 km/h (130 mph) maximum Self-ballasting with no attachments

## SOLYNDRA LIGHT DIAGRAM



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