



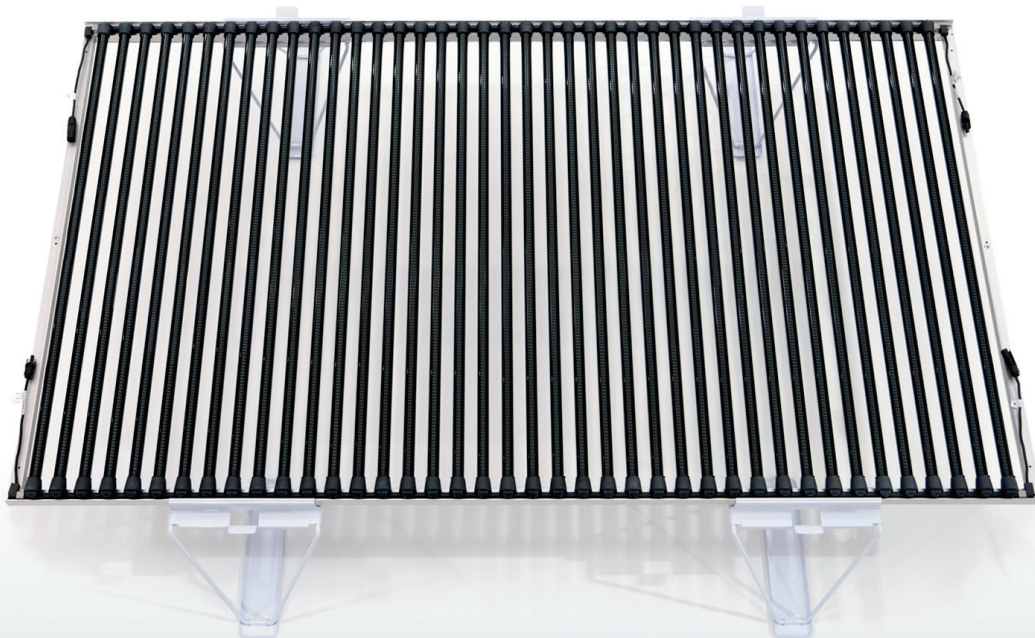
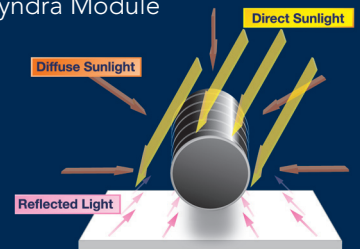
# SOLYNDRA<sup>®</sup>

## 100 SERIES

Solar photovoltaic systems comprised of panels and mounting hardware for low slope, commercial rooftops.

Proprietary cylindrical modules optimize the collection of sunlight and enable Solyndra panels to achieve the highest rooftop coverage without the need for costly mounting hardware or rooftop penetrations. By significantly reducing installation costs and increasing the electricity generated per rooftop, Solyndra delivers electricity at low cost per kilowatt hour.

Solyndra Module



### Maximize roof coverage with no need for tilting and spacing.

Greater coverage means more solar electricity per rooftop per year

### Fast, simple, and economical installation

### Lightweight and self-ballasting

No penetrations or attachments required

# Product Specifications\*

**100  
SERIES**

## Electrical Data

Measured at Standard Test Conditions (STC) irradiance of 1000 W/m<sup>2</sup>, air mass 1.5, and cell temperature 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
PowerRating (P <sub>mp</sub> )	Wp	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
V <sub>mp</sub> (Voltage at Maximum Power)	Volts	65.7 V	67.5 V	69.6 V	71.7 V	73.9 V	76.1 V	78.3 V
I <sub>mp</sub> (Current at Maximum Power)	Amps	2.28 A	2.33 A	2.37 A	2.41 A	2.46 A	2.51 A	2.55 A
V <sub>oc</sub> (Open Circuit Voltage)	Volts	91.4 V	92.5 V	93.9 V	95.2 V	96.7 V	98.2 V	99.7 V
I <sub>sc</sub> (Short Circuit Current)	Amps	2.72 A	2.73 A	2.74 A	2.75 A	2.76 A	2.77 A	2.78 A
Temp. Coefficient of V <sub>oc</sub>	%/°C	-29						
Temp. Coefficient of I <sub>sc</sub>	%/°C	-02						
Temp. Coefficient of Power	%/°C	-38						

## System Information

Cell type	Cylindrical CIGS
Maximum System Voltage	Universal design: 1000V (IEC) & 600V (UL) systems
Dimensions	Panel: 1.82 m x 1.08 m x 0.05 m Height: 0.3 m to top of panel on mounts
Mounts	Non-penetrating, powder-coated Aluminum
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
Snow Load Maximum	2,400 Pa (50.1 lb/ft <sup>2</sup> )
Hailstone Impact	25 mm, 7.53 g at 23 m/s per IEC 61646
Wind Performance	208 km/h (130 mph) maximum Self-ballasting with no attachments
Operating and Storage Temp	-40°C to +85°C
Normal Operating Cell Temperature (NOCT)	41.7°C at 800 W/m <sup>2</sup> , Temp = 20°C, Wind = 1m/s
Certifications/Listings	UL1703, IEC 61646, CEC listing IEC 61730, CE Mark, Application Class A per IEC 61730-2, Fire Class C, MCS/BRE (UK)
Warranty	25 year limited power warranty 5 year limited product warranty



Solyndra's panels come with all of the mounts, grounding connectors, lateral clips, and fasteners required to build a standard array.



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**SOLYNDRA®**  
The new shape of solar™

\*PRODUCT SPECIFICATIONS ARE ONLY VALID WHEN USING THE PRODUCT IN ACCORDANCE WITH SOLYNDRA'S DESIGN AND INSTALLATION GUIDELINES USING SOLYNDRA SUPPLIED MOUNTS AND INTERCONNECTING HARDWARE. PRODUCT SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.