



## Light Weight and Simple Installation Means Fast Projects and Low Cost

The 200 Series requires no tools for installation. The lightweight panels install without penetrations or array grounding, making this the easiest and fastest to install rooftop solar system yet. Ideal for older or “value engineered” buildings, the low distributed roof load is less than 3 pounds per square foot. Snap-together mounts dramatically lower labor costs and shorten project times for large rooftop solar installations. This minimizes business disruption and makes it a simple process should you need to move the system for future roofing, retrofit or ownership changes.

## Higher Power

Improved light collection makes the 200 Series our most powerful panel yet, especially when combined with a white “cool roof”. Individual panels are rated up to 220 Wp.

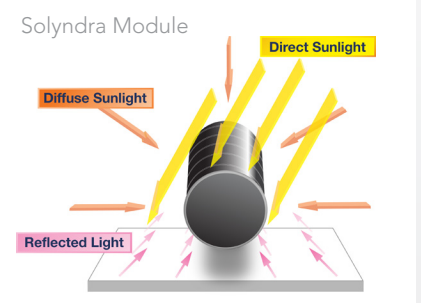
## Low LCOE and Increased ROI

The ease of installation, low balance-of-system cost and higher power with the 200 Series provides significantly lower levelized cost of electricity and contributes to strong return on investment for the customer.



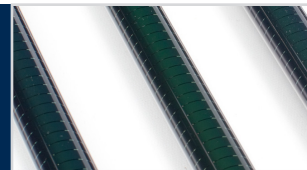
## Proven Solyndra Technology

Solyndra panels capture direct, diffuse and reflected sunlight across a 360-degree photovoltaic surface. Solyndra panels can be placed in virtually any orientation and significantly closer together than conventional tilted panels. The unique cylindrical design allows wind to flow through the panels and as a result no additional ballast or penetrations are required in winds up to 208 kph (130 mph). Designed for maximum performance in the rooftop environment, Solyndra panels offer superior wind, soiling and snow performance.



# Product Specifications\*

**200  
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-200-182	SL-200-191	SL-200-200	SL-200-210	SL-200-220 available Q3-2011
PowerRating (P <sub>mp</sub> )	Wp	182	191	200	210	220
Power Tolerance (%)	%/Wp	+/-4	+/-4	+/-4	+/-4	+/-4
V <sub>mp</sub> (Voltage at Maximum Power)	Volts	85.1	88.6	91.7	95.1	98.4
I <sub>mp</sub> (Current at Maximum Power)	Amps	2.14	2.16	2.18	2.21	2.23
V <sub>oc</sub> (Open Circuit Voltage)	Volts	119.6	122.8	124.6	125.3	125.8
I <sub>sc</sub> (Short Circuit Current)	Amps	2.33	2.34	2.35	2.36	2.37
Temp. Coefficient of V <sub>oc</sub>	%/°C	-.28				
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: 2.28 x 1.09 x 0.06 m (89.8 x 42.9 x 2.36 in) Height: 0.36 m (14.4 in) to top of panel on mounts
Mounts	Non-penetrating, steel-reinforced, high-performance engineered plastic.
Connectors	4 Tyco SOLARLOK™; 20 cm (8 in) cable
Series Fuse Rating	24.4 Amps
Roof Load	13.9 kg/m <sup>2</sup> (2.8 lb/ft <sup>2</sup> ) panel and mounts
Panel Weight	31.8 kg (69 lb) without mounts
Snow Load Maximum	1850 <sup>†</sup> Pa / 1200 Pa (38.6 lb/ft <sup>2</sup> / 25.1 lb/ft <sup>2</sup> )
Hailstone Impact	25 mm, 7.53 g at 23 m/s per IEC 61646
Wind Performance	208 kph (130 mph) maximum Self-ballasting with no attachments
Operating and Storage Temp	-40°C to +85°C
Normal Operating Cell Temperature (NOCT)	44°C at 800 W/m <sup>2</sup> , Temp = 20°C, Wind = 1m/s
Certifications/Listings	UL1703, IEC 61646, IEC 61730, Protection Class II☐ Application Class A per IEC 61730-2 Fire Class C, CE Mark, CEC listing, MCS/BRE (UK)
Warranty	25 year limited power warranty 5 year limited product warranty



### ALL NEW

Solyndra 200 Series panels come with the panel mounts and cable management hardware needed to build a typical array. Additional mounts and hardware are available.

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\*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.

<sup>†</sup>1850 Pa snow rating requires optional Snow Mount

**SOLYNDRA**  
The new shape of solar™