



CSA INTERNATIONAL

# Certificate of Compliance

**Certificate:** 2003019

**Master Contract:** 242192

**Project:** 2061859

**Date Issued:** 2008/07/10

**Issued to:** SunPower Corp  
3939 North First St  
San Jose, CA 95134-1506  
USA  
Attention: Mr. Sander Caldwell

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US'*



**Issued by:** Brij Aggarwal, P.Eng.

**Authorized by:** Lindsay Clark, Product Group Manager

## PRODUCTS

**CLASS 5311 10** - POWER SUPPLIES - Photovoltaic Modules and Panels  
**CLASS 5311 90** - POWER SUPPLIES - Photovoltaic Modules and Panels - Certified to US Standards

Photovoltaic Panels with maximum system voltage of 600 Vdc and Class C fire class rating, Model series SPR-XXX where XXX is the power output, 325W-280W (325W series); 245W-217W (245W series); 220 W-180W (220W series) and 100 W-70W (100 W series) with the following electrical ratings at Standard Test Condition (typical at 325W, 245W, 220W and 100W output):

325 W nominal Power:

The 'C' and 'US' indicators adjacent to the CSA Mark signify that the product has been evaluated to the applicable CSA and ANSI/UL Standards, for use in Canada and the U.S., respectively. This 'US' indicator includes products eligible to bear the 'NRTL' indicator. NRTL, i.e. National Recognized Testing Laboratory, is a designation granted by the U.S. Occupational Safety and Health Administration (OSHA) to laboratories which have been recognized to perform certification to U.S. Standards.



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Operating Voltage: 54.7 Vdc

Open Circuit Voltage: 65.0 Vdc

Short Circuit Current: 6.33 A

Current at Rated Operating Voltage: 5.95 A

245W nominal Power

Operating Voltage: 41.0 Vdc

Open Circuit Voltage: 49.3 Vdc

Short Circuit Current: 6.36 A

Current at Rated Operating Voltage: 5.98 A

220 W nominal power

Operating Voltage: 39.8 Vdc

Open Circuit Voltage: 48.3 Vdc

Short Circuit Current: 5.95 A

Current at Rated Operating Voltage: 5.53 A

100 W nominal power

Operating Voltage: 17.7 Vdc

Open Circuit Voltage: 21.2 Vdc

Short Circuit Current: 6.05 A

Current at Rated Operating Voltage: 5.67 A

Model series SPR-XXXE (using type C65 cells) where XXX is the power output, 335W-280W (335W series) and



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250W-225W (250W series), with the following electrical ratings (typical at 335W and 250W output):

335 W nominal Power

Operating Voltage: 54.7 Vdc

Open Circuit Voltage: 65.4 Vdc

Short Circuit Current: 6.50 A

Current at Rated Operating Voltage: 6.13 A

250 W nominal power

Operating Voltage: 40.5 Vdc

Open Circuit Voltage: 49.0 Vdc

Short Circuit Current: 6.55 A

Current at Rated Operating Voltage: 6.175 A

Notes:

- Rated electrical characteristics are within +/- 10% of measured values at Standard Test Conditions of 100 mW/cm<sup>2</sup> irradiance, AM 1.5 spectrum, and 25°C.
- Modules may be mounted at any angle, from horizontal to vertical. Class C fire rating is maintained at all installation slopes.
- Above model numbers are followed by suffix 'L' when the frame is not provided (Laminate only).
- The model numbers can be followed by additional suffixes denoting color of the back sheet.

### **APPLICABLE REQUIREMENTS**

ULC/ORD - C1703-01 - Flat-Plate Photovoltaic Modules and Panels

UL 1703-3rd Ed - Flat-Plate Photovoltaic Modules and Panels