



CSA INTERNATIONAL

Certificate of Compliance

Certificate: 1920446

Master Contract: 220768

Project: 2022441

Date Issued: 2008/07/25

Issued to: Open Energy Corporation
1415 Whispering Pines Lane
Suite 150
Grass Valley, CA 95945
USA
Attention: Mr. Tom Wolfe

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, Roofing Tile, OE-48 (4 ft) and OE-34 and OEC-35(3 ft), with the following electrical ratings:

Rating @ Standard Test Condition (STC)

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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Model: OE-48 (4 ft tile)

Maximum System Voltage: 600 Vdc

Operating Voltage: 6.55 Vdc

Open Circuit Voltage: 8.61 Vdc

Short Circuit Current: 7.95 A

Current at Rated Operating Voltage: 7.33 A

Nominal Power: 48 W

Model: OE-34 (3 ft tile)

Maximum System Voltage: 600 Vdc

Operating Voltage: 4.80 Vdc

Open Circuit Voltage: 6.07 Vdc

Short Circuit Current: 7.76 A

Current at Rated Operating Voltage: 7.09 A

Nominal Power: 34 W

Model: OEC-35 (3 ft tile)

Maximum System Voltage: 600 Vdc

Operating Voltage: 6.50 Vdc

Open Circuit Voltage: 8.00 Vdc

Short Circuit Current: 5.50 A

Current at Rated Operating Voltage: 5.40 A

Nominal Power: 35 W



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Model: OE-50 (4 ft tile)

Maximum System Voltage: 600 V dc

Operating Voltage: 6.85 V dc

Open Circuit Voltage: 8.80 V dc

Short Circuit Current: 7.68 A

Current at Rated Operating Voltage: 7.10 A

Nominal Power: 50 W

Notes:

- (1) Rated electrical characteristics are within +/- 10% of measured values at Standard Test Conditions of 100 mW/cm² irradiance, AM 1.5 spectrum, and 25°C.
- (2) The Photovoltaic Module is intended to be roof mounted on an 18 to 60 degree slope.

APPLICABLE REQUIREMENTS

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

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