Certificate of Compliance

Certificate: 2094467 **Master Contract:** 244748

Project: 2705154 **Date Issued:** March 21, 2014

Issued to: **Solibro Gmbh**

OT Thalheim, Sonnenallee 32-36
Bitterfeld-Wolfen, 06766
Germany
Attention: Mr. Thomas Scholz

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.

Brij Aggarwal

Issued by: Brij Aggarwal, P.Eng.

PRODUCTS

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

CIGS, Photovoltaic Panels with maximum system voltage of 600 V dc and Class C fire class rating, Model Series SL1-XX and SL1-XXF**,** where XX is the power output from 70 W to 95 W and F denotes modules with a frame, with the following electrical ratings @ Standard Test Condition (STC):

Nominal Power	70 W	75 W	80 W	85 W	90 W	95 W
Open Circuit Voltage	69.1 V dc	70.5 V dc	71.8 V dc	73.1 V dc	75.1 V dc	77.2 V dc
Short Circuit Current	1.66 A	1.66 A	1.67 A	1.68 A	1.69 A	1.70 A
Operating (Rated) Voltage	50.2 V dc	52.7 V dc	54.8 V dc	57.2 V dc	59.2 V dc	61.3 V dc
Current at Rated Voltage	1.40 A	1.42 A	1.46 A	1.49 A	1.52 A	1.55 A

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Model Series SL2-XX and SL2-XXF, where XX is the power output from 95 W to 125 W and F denotes modules with a frame, with the following electrical ratings @ Standard Test Condition (STC):

Nominal Power	95 W	100 W	105 W	110 W	115 W	120 W	125 W
Open Circuit Voltage	90.7 V dc	90.1 V dc	91.6 V dc	93.3 V dc	95.1 V dc	97.6 V dc	99.1 V dc
Short Circuit Current	1.63 A	1.68 A	1.68 A	1.69 A	1.69 A	1.69 A	1.69 A
Operating (Rated) Voltage	66.9 V dc	68.5 V dc	70.5 V dc	72.4 V dc	74.7 V dc	76.9 V dc	80.1 V dc
Current at Rated Voltage	1.42 A	1.46 A	1.49 A	1.52 A	1.54 A	1.56 A	1.56 A

Notes:

The power classes are defined by positive sorting (+5 W/- 0W) according to measured Pmax under STC. The accuracy of this measurement is ±3%. Isc, Voc, Imp, Vmp are within ± 10% of the indicated values under STC. Valid indoor measurement of STC performance is obtained by pre-treating the modules before measurement by 1 hour light soaking (at about 1000 W/m² in open circuit) followed by cool down to 25°C.

APPLICABLE REQUIREMENTS

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

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