



# Certificate of Compliance

**Certificate:** 2559422

**Master Contract:** 159409

**Project:** 70118569

**Date Issued:** 2017-02-02

**Issued to:** Schneider Electric Solar Inverters USA, Inc.  
250 S Vasco Road  
Livermore, California 94550  
USA

*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.*



**Issued by:** *Thian (Peter) Lim*  
Thian (Peter) Lim

## **PRODUCTS**

**CLASS - 531109 - POWER SUPPLIES-Distributed Generation Power Systems Equipment**

**CLASS - 531189 - POWER SUPPLIES - Distributed Generation-Power Systems Equipment - Certified to U.S. Standards**

## **PART A:**

Combined inverter/battery charger, Model CSW4024, permanently connected, indoor use, rated for 25°C ambient at full load, 60°C max, for use with external deep-cycle batteries.

Ratings for Invert mode:

Input: 20 – 32V dc, 24 V dc nominal, 230 A maximum continuous

Output: 120/240 V ac, 60 Hz, 3400 W, 3400 VA continuous, 4000 VA for 30 minutes

Derated operation for elevated ambient temperatures: 3400 W continuously to 25°C Operates at reduced power at elevated ambient temperatures up to 60°C max; operates at 2800 W continuous at 60°C.

Ratings for Charge mode:

Input: 120/240 V ac, 60 Hz, 13A, 24 A maximum (a.c. pass-through plus charging)

Output: 20 – 32V dc, 24 V dc nominal, 90 A maximum continuous up to 60°C ambient.



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Note: The inverter/charger, model CSW4024, may be connected to 120V single phase operation with reduced power rating to 1700W, 1700VA continuous, 2000VA for 30 minutes (inverter mode) and 20-32V dc, 24V dc nominal, 45A maximum continuous (charger mode).

**PART B:**

Combined inverter/battery charger, Model CSW2524, permanently connected, indoor use, rated for 25°C ambient at full load, 60°C max, for use with external deep-cycle batteries.

Ratings for Invert mode: Input: 22 – 34V dc, 24 V dc nominal, 150 A maximum continuous Output: 120/240 V ac, 60 Hz, 3000 W, 3000 VA continuous, 3300 VA for 30 minutes

Derated operation for elevated ambient temperatures: 3000 W continuously to 25°C Operates at reduced power at elevated ambient temperatures up to 60°C max; operates at 2500 W continuous at 60°C.

Ratings for Charge mode:

Input: 120/240 V ac, 60 Hz, 9A, 24 A maximum (a.c. pass-through plus charging)  
Output: 20 – 32V dc, 24V dc nominal, 65A maximum continuous up to 60°C ambient.

Note: The inverter/charger, model CSW2524, may be connected to 120V single phase operation with reduced power rating to 1500W, 1500VA continuous, 1650VA for 30 minutes (inverter mode) and 22-34V dc, 24V dc nominal, 32.5A maximum continuous (charger mode).

**PART C:**

Combined inverter/battery charger, Model CSW4048, permanently connected, indoor use, rated for 25°C ambient at full load, 60°C max, for use with external deep-cycle batteries.

Ratings for Invert mode: Input: 48V dc nominal, 110 A maximum continuous Output: 120/240 V ac, 60 Hz, 3800 W, 3800 VA continuous, 4400 VA for 30 minutes

Derated operation for elevated ambient temperatures: 3800 W continuously to 25°C Operates at reduced power at elevated ambient temperatures up to 60°C max; operates at 3200 W continuous at 60°C.

Ratings for Charge mode:

Input: 120/240 V ac, 60 Hz, 12A (24 A max with a.c. pass-through plus charging)  
Output: 40 – 57V dc, 24V dc nominal, 45A maximum continuous up to 60°C ambient.

Note: The inverter/charger, model CSW4048, may be connected to 120V single phase operation with reduced power rating to 1900W, 1900VA continuous, 2200VA for 30 minutes (inverter mode) and 48V dc nominal, 22.5A maximum continuous (charger mode).



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### **APPLICABLE REQUIREMENTS**

CSA C22.2 No. 107.1-01 - General Use Power Supplies (R2011)  
UL 1741 - 2<sup>nd</sup> Ed - Inverters, Converters, Controllers and Interconnection System Equipment for Use with Distributed Energy Resources (Rev. January 07, 2015)

Note: CSA C22.2 No. 107.3-05 and UL 1778 4<sup>th</sup> Ed. were used as guide for relay requirement, backfeed protection, transfer switch, static switch, output circuit grounding, and battery overcharge evaluation.



## *Supplement to Certificate of Compliance*

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*The products listed, including the latest revision described below,  
are eligible to be marked in accordance with the referenced Certificate.*

### **Product Certification History**

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<b>Project</b>	<b>Date</b>	<b>Description</b>
70118569	2017-02-02	To update report 2559422 to include alternate cooling fans.
70036485	2015-08-07	Update report 2559422 to include new construction for higher power.
70017586	2015-04-15	Update Report 2559422 to include 48V addition to the 24V Series; Alternative Construction
2603530	2013-04-19	Update report to include inverter/battery charger, model CSW2524. (C/US)
2559422	2013-02-01	Combined inverter/battery charger, Model CSW4024. (C/US)