



SOLAR RATING  
& CERTIFICATION  
CORPORATION™

## ICC-SRCC LISTING

### SRCC™ Solar Heating & Cooling Code & Standard Listing Program

**Listing Number: SRCC-19003**

**Effective Date: June 01, 2021**

*This listing is subject to re-examination in one year.*

[www.solar-rating.org](http://www.solar-rating.org)

(888) 422-7233

ICC-SRCC

3060 Saturn Street, Suite 100

Brea, CA 92821

*The Industry Standard Since 1980 | A Member of the International Code Council (ICC) Family of Companies*

#### CSI:

DIVISION: 22 00 00 – PLUMBING

Section: 22 33 30.23 – Solar Domestic Water Heater System

DIVISION: 23 00 00 – HEATING

Section: 23 56 13 – Heating Solar Collectors

#### **Product certification program:**

The SRCC Solar Heating & Cooling Code and Standard Listing Program are conducted in accordance with the latest version of the ICC-SRCC™ *Solar Heating & Cooling Code & Standard Listing Program Guidelines*. The program includes evaluation of samples and manufacturer's quality assurance systems to assess continued compliance with applicable codes and standard.

#### **Products:**

Solar Thermal Collectors

#### **Listee:**

Commercial Energy Savings Plus

2604 NW 53<sup>rd</sup> Drive

Boca Raton, FL 33496 USA

#### **Compliance with the following codes, standards and criteria:**

- ❖ 2017 Uniform Mechanical Code®(UMC)\*
- ❖ 2018 International Mechanical Code®(IMC)
- ❖ 2021 International Green Construction Code® (IgCC)
- ❖ ICC 901/SRCC 100-2015, Solar Thermal Collector Standard

*\*Uniform Mechanical Code is copyrighted publications and trademarks of the International Association of Plumbing and Mechanical Officials (IAPMO)*



## Models:

The solar heating and/or cooling products listed below have been evaluated by the Solar Rating & Certification Corporation™ (ICC-SRCC™), an ISO/IEC 17065 accredited and EPA recognized Certification Body, in accordance with the *ICC-SRCC Solar Heating & Cooling Code and Standard Listing Program Operating Guidelines*, and has been listed by the ICC-SRCC to the codes and standards above. This award of listing is subject to all terms and conditions of the *ICC-SRCC Solar Heating & Cooling Code & Standard Listing Program Agreement* and the documents incorporated therein by reference. Where solar collectors are listed, all sizes of the collector model are listed.

### Solar Thermal Collectors

| Collector Type    | Brand Name | SRCC OG-100 Certification Number* |
|-------------------|------------|-----------------------------------|
| Glazed Flat Plate | STC100     | <a href="#">10002093</a>          |



\* Collector certification to the SRCC OG-100 programs may be obtained on the SRCC website at [www.solar-rating.org](http://www.solar-rating.org)

## Installation:

Solar collectors must be installed in accordance with the manufacturer's published installation instruction, the applicable code(s) and this listing. Where differences exist, the instructions in this listing must govern.

All individual components of the collector which may require periodic examination, adjustment, service and or maintenance must be easily and safely accessible by the owner in accordance with the codes in force at the installation site.

Interconnection of the collector to the solar energy system shall be made in a manner which will not result in excessive temperature or pressure in the auxiliary system or bypassing of safety devices of the auxiliary system.

Collectors and support shall be installed in such a manner that water flowing off the collector will not damage the building or cause premature erosion of the roof. Water tanks located in or above the living space shall be installed on a drip pan with a drain line to safely remove any excess liquid.

Structural supports shall be selected and installed in such a manner that thermal expansion of the collector and piping will not cause damage to the collector, structural frame or building. Hangers shall provide adequate support and correct pitch of piping and shall be designed to avoid compressing or damaging any pipe insulation material.



### Conditions of Listing:

1. System components shall be installed in accordance with the manufacturer's published installation instructions and the applicable code(s).
2. Access to the collector for maintenance and inspection shall be provided in accordance with manufacturer's instructions and local codes.
3. Collector shall not be installed below flood elevation level.
4. Collector shall only be used with water or aqueous solutions of ethylene glycol or propylene glycol up to 100% concentration per manufacturer's requirements.
5. Relief valves shall discharge to an approved receptor for disposal in accordance with local codes and requirements.
6. Each installation must be pressure-tested for leaks in the presence of the code official or code official's designated representative.
7. Collector shall be installed such that fire-stopping shall be possible at the time of installation, if required by local codes and ordinances.
8. Collector shall not reduce or increase humidity, temperature or thermal radiation beyond acceptable levels or interfere with required headroom or air circulation space.
9. Neither wind loading nor the additional weight of filled collectors shall exceed the live or dead load ratings of the building, roof, roof anchorage, foundation or soil. Collector supports shall not impose undue stresses on the collectors. The design load shall be as specified by the codes in force at the installation site and shall include an additional load due to snow accumulation for applicable locations.
10. Collector is manufactured by CESP in Boca Raton, FL under a quality control program with surveillance inspection every other year conducted in accordance with the requirements of ICC-SRCC.

### Marking:

Models listed above were evaluated to the codes and standards listed in accordance with *the ICC-SRCC Rules for Solar Heating & Cooling Product Listing Reports* and are eligible to display the following mark as governed by the *ICC-SRCC Rules for Certificate & Mark Use*.



Each device or component shall also be permanently marked with manufacturer's name or trademark, model name and/or number, recommended working fluids, maximum working temperature and pressure, and recommended flow rate(s).

Any operation, maintenance and installation instruction manuals from the manufacturer shall be supplied with the collector. Supplier's contact information shall be included with these documents.





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*Listings are not to be construed as representing aesthetics or any other attributes not specifically addressed, nor are they to be construed as an endorsement of the subject of the listing or a recommendation for its use. There is no warranty by the Solar Rating and Certification Corporation, express or implied as to any finding or other matter in this listing, or as to any product covered by the listing. This document must be reproduced in its entirety.*