



SOLAR RATING
& CERTIFICATION
CORPORATION

ICC-SRCC LISTING

SRCC™ Solar Heating & Cooling Code & Standard Listing Program

Listing Number: SRCC-16007

Effective Date: November 14, 2017

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

www.solar-rating.org (888) 422-7233 ICC-SRCC
500 New Jersey Avenue, NW
6th Floor
Washington, DC 20001

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

CSI: DIVISION: 22 00 00 – PLUMBING
Section: 22 35 00 – Domestic Water Heat Exchangers
Section: 22 33 30 26 – Residential, Collector-to-Tank, Heat-Exchanger-Coil, Solar-Electric Domestic Water Heaters

DIVISION: 23 00 00 – HEATING
Section: 23 57 19 – Liquid-to-Liquid Heat Exchangers
Section: 23 56 16 – Packaged Solar Heating Equipment

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: Heat Exchangers for Use in Solar Thermal Systems

Listee: Butler Sun Solutions, Inc. www.butlersunsolutions.com
980 Santa Estella (800) 983-1323
Solana Beach, CA 92075

Compliance with the following standards and criteria:

- ❖ SRCC EM-1, Methodology for Determining Compliance with State and Federal Lead in Plumbing Laws for Solar Heating and Cooling Equipment, 10/28/2015. Shows compliance with:
 - Reduction of Lead in Drinking Water Act, California Health and Safety Code § 116875
 - Vermont Lead Reduction Law (Vermont Act 193)



- Louisiana Reduction of Lead Act (Louisiana Act 362)
- Maryland Lead-Free Materials Act (HB 372)
- Reduction of Lead in Drinking Water Act (Section 1417 of the Federal Safe Drinking Water Act (SDWA))
- NSF 372-2010, Drinking Water System Components – Lead Content*

* NSF 372 is a copyrighted publication of NSF International.

Models:

The solar heating and/or cooling products listed below have been evaluated by the Solar Rating & Certification Corporation™ (SRCC™), an ISO/IEC 17065 accredited and EPA recognized Certification Body, in accordance with the SRCC Solar Heating & Cooling Code and Standard Listing Program Operating Guidelines, and has been listed by the SRCC to the standards above. This award of listing is subject to all terms and conditions of the 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

Product Type	Name	Included within SRCC Collector Certification Number(s)*	Included within SRCC System Certification Number(s)*
Heat Exchanger	Solar Wand Vented Double Wall Twisted Tube	NA	2005006K , 2005005J , 2003016E , 2003016C , 2003001E
Heater Element	Solar E-Wand Immersion Heater Element	10001979 , 10001980 ,	30004153 , 30004154

* Collector and system certifications to the SRCC OG-100 and OG-300 programs may be obtained on the SRCC website at www.solar-rating.org

Installation:

Solar thermal 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.

Conditions of Listing:

1. Devices and components shall be installed in accordance with the manufacturer’s published installation instructions and the applicable code(s).
2. Replacement parts contacting potable water installed within the listed collectors shall comply with NSF 61 and Federal Safe Drinking Water Act requirements for lead content. The lead content of replacement parts shall not cause the collector assembly’s lead content to exceed the specifications of the standards that are the subject of this listing.



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3. Devices and components are manufactured by Butler Sun Solutions, Inc. in Solana Beach, CA 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 SRCC Solar Heating & Cooling Code Listing Program Guidelines and are eligible to display the following mark as governed by the SRCC Solar Heating & Cooling Code Listing Program Agreement.



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.