



# ICC-SRCC™ LISTING

## Solar Heating & Cooling Listing Program

Listing Number: SRCC-18002

Effective Date: June 14, 2018

*This listing is subject to renewal June 14, 2019*

ICC-SRCC  
3060 Saturn Street, Suite 100  
Brea, CA 92821

[www.solar-rating.org](http://www.solar-rating.org)  
(888) 422-7233

*The Industry Standard Since 1980 | A Program of the ICC Evaluation Service (ICC-ES)*

**CSI:** DIVISION: 23 00 00 – HEATING  
Section: 23 56 13 – Heating Solar Collectors

### Product certification program:

The ICC-SRCC Solar Heating & Cooling Listing Program is conducted in accordance with the latest version of the ICC-SRCC™ *Solar Heating & Cooling 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:** UMA Solar [www.umasolar.com](http://www.umasolar.com)  
950 Sunshine Lane (407) 831-1941  
Altamonte Springs, FL 32714 U.S.A.

### Compliance with the following codes:

- ❖ 2015 Uniform Solar Energy and Hydronics Code® (USEHC)\*

*\* The Uniform Solar Energy and Hydronics Code is a copyrighted publication and trademark of the International Association of Plumbing and Mechanical Officials (IAPMO).*

### Compliance with the following standards:

- ❖ ICC 901/SRCC 100-2015, Solar Thermal Collector Standard\*\*

*\*\* ICC 901/SRCC 100 is a copyrighted publication of the International Code Council (ICC) and Solar Rating & Certification Corporation (ICC-SRCC).*



**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 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.

**Certified Solar Thermal Collector Models**

Collector Type	Brand Name	Model Number	ICC-SRCC OG-100 Certification Number***
Unglazed Flat Plate	SunValue	SV	10002003
Unglazed Flat Plate	Sunstar	STR	10001888
Unglazed Flat Plate	Heliocol	HC	10001884
Glazed Flat Plate	Eco Spark	SLES-30	10001782
Glazed Flat Plate	Eco Spark	SLES-40	10001781
Glazed Flat Plate	Solene	SLSG-40	10001923
Glazed Flat Plate	Aurora	SLAR-32	2009058B
Glazed Flat Plate	Aurora	SLAR-40	2008058C
Glazed Flat Plate	Aurora	SLAR-24	2006045A

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





SOLAR RATING  
& CERTIFICATION  
CORPORATION



### AURORA SLAR-XX



### SOLENE SLSG- 40



#### 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.

Collectors 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.

#### Conditions of listing:

1. Collectors shall be installed in accordance with the manufacturer's published installation instructions and the applicable code(s).
2. System components requiring access for maintenance and inspection shall be install to provide required access in accordance with manufacturer's instructions and local codes.
3. Systems and components shall be installed in accordance with the requirements of ICC 900/SRCC 300-2015 and Chapter 3 of the USEHC and must provide provision for bypass, adjustment or override controls as are required to facilitate installation, startup, operation, shutdown and maintenance.
4. Collectors utilizing a non-potable heat transfer fluid must not be connected to the potable water system except through the use of approved devices such as backflow preventers or double-walled heat exchangers.
5. Systems shall be sized in accordance with the demand, manufacturer's requirement, and local codes.
6. Systems shall not be installed below flood elevation level.



7. Collectors shall only be used with water or aqueous solutions of ethylene glycol or propylene glycol up to 100% concentration per manufacturer's requirements.
8. Relief valves shall discharge to an approved receptor for disposal in accordance with local codes and requirements.
9. Each collector installation must be pressure-tested for leaks in the presence of the code official or code official's designated representative.
10. 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.
11. Piping should be sloped toward drain ports with a drainage slope of no less than 2 cm of vertical drop for each meter of horizontal length (1/4 inch per foot). Underground piping shall be installed to withstand surface loads. The trenches and backfill shall be free of sharp objects in contact with the pipe.
12. Field-applied pipe and tank insulation shall comply with local code requirements for thermal insulation value, flame spread, smoke development and finishing.
13. Devices and components are manufactured by UMA Solar, Altamonte Springs, 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 Solar Heating & Cooling Listing Program Guidelines* and are eligible to display the following mark as governed by the *ICC-SRCC Solar Heating & Cooling Listing Program Agreement* and [ICC-SRCC Trademark, Certification Mark and Certificate Policy](#).



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.

*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.*