



## ICC-SRCC

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# Frequently Asked Questions (FAQ) on the SRCC Solar Thermal Listing Program

## What are the benefits of listing my product with ICC-SRCC?

- **AFFORDABILITY.** ICC-SRCC™ charges a low flat fee for listing files. We even allow you to place collectors and systems in one file. And there is no fee for additional codes and standards.
- **EFFICIENCY.** ICC-SRCC uses the information you've already provided for your OG-100 or OG-300 certification to conduct your listing. So there's no need to resubmit the same information to another company. If we need additional information to process your listing, we'll let you know.
- **FACTORY INSPECTIONS.** In-person factory inspections are only required every two years. Plus, the inspections satisfy surveillance requirements for the OG-100 and 300 certification programs. You save money and avoid redundant inspections. We even offer a Global Solar Certification Network inspection option to reduce redundant inspections for other international certification programs.
- **LISTINGS BY THE EXPERTS.** Listings are done by ICC-SRCC staff who are solar thermal experts, not by generalists who don't know the intricacies of your products like we do.
- **SPEED.** If you apply for listings when you apply for certification, we will get started on both right away. And since the code listings are coordinated with our certification programs, we can avoid redundancies and complete our reviews quickly.
- **VISIBILITY.** Listings are linked to the ICC's publicACCESS and premiumACCESS code portals, making it easy for users to find the SRCC Listings that apply to various sections of the I-Codes. That places your listings in front of millions of users of these online code portals. It's a service that only ICC-SRCC and ICC-ES can offer.
- **TRUSTED.** Listings are done by ICC-SRCC™ staffers who are solar thermal experts. We know your products and we know codes and standards. Code officials throughout North America trust and recognize our lists to provide them with the information they need to approve solar thermal products and systems. [We're even approved as a listing agency by the City of Los Angeles.](#)

## Will code officials recognize and accept ICC-SRCC listings?

ICC-SRCC is recognized by code officials throughout North America. As a part of ICC-ES, ICC-SRCC is backed by the largest association of building officials in the country. Code officials know and trust the ICC-ES name. [We're even approved as a listing agency by the City of Los Angeles.](#)

ICC-SRCC's solar thermal certification programs are accredited by the A2LA ([Certificate #3299.03](#)) to ISO/IEC Standard 17065 (2012), *Conformity assessment - Requirements for bodies certifying products, processes and services*, for the certification of solar heating and cooling equipment.

If you ever have an issue with the acceptance of the ICC-SRCC Listing Mark in the field, ICC-SRCC staff will work with you and the code official to answer any questions regarding the listing.

### **What about the City of Los Angeles – do they recognize ICC-SRCC certifications and listings?**

Yes. ICC-SRCC has been approved by the City of Los Angeles Department of Building and [Safety's Mechanical Testing Laboratory](#) as a Recognized Listing agency for plumbing products to the ICC-SRCC 100 and ICC-SRCC 300 standards. You can view the List of Approved Listing and Testing Agencies at [http://ladbs.org/LADBSWeb/LADBS\\_Forms/TestLab/MTL\\_Testing\\_Agencies.pdf](http://ladbs.org/LADBSWeb/LADBS_Forms/TestLab/MTL_Testing_Agencies.pdf)

### **What is a listing and how is it different than an OG-100 or OG-300 certification?**

ICC-SRCC's certification programs, OG-100 and OG-300 are for solar thermal collectors and solar thermal systems, respectively. They evaluate and rate models to ICC-SRCC's Operating Guideline Documents, which in turn reference ICC-SRCC's Consensus Standards and rating procedures. So for example, collectors are certified to ICC-SRCC's OG-100 document. Under that program, collectors are tested in a lab to the ISO 9806 standard, and the results are evaluated using ICC-SRCC Standard 100 and rated using ICC-SRCC's RM-1 document, as spelled out in the OG-100 document. ICC-SRCC now also offers optional listings to specific extra standards under both OG-100 and OG-300 at the request of the participant (see the following question for more information)

Listings to codes and standards involves assessing a product or system's compliance with the relevant requirements of one or more specific model plumbing, mechanical, building codes and/or standards adopted by jurisdictions around the U.S. Unlike the ICC-SRCC certification programs, ICC-SRCC's listings do not result in a performance rating.

### **Which codes and standards does ICC-SRCC offer listings to?**

ICC-SRCC offers listings to all major model codes and standards that address solar heating and cooling systems. Currently, ICC-SRCC participants may apply for listings for one or more of the following:

- International Plumbing Code® (IPC) \*
- International Mechanical Code® (IMC)\*
- International Building Code® (IBC)\*
- International Residential Code® (IRC)\*
- International Energy Conservation Code® (IECC)\*
- International Swimming Pool and Spa Code® (ISPSC)\*
- International Green Construction Code® (IgCC)\*
- Uniform Solar Energy Code® (USEC)/ Uniform Solar Energy & Hydronics Code® (USEHC) \*\*
- Uniform Plumbing Code® (UPC)\*\*
- Uniform Mechanical Code® (UMC)\*\*
- Uniform Swimming Pool and Hot Tub Code® (USPHTC)\*\*
- Low-Lead Content Listing for SHC Products and Systems to State and Federal Laws
- NSF 50, Equipment for Swimming Pools, Spas, Hot Tubs and other Recreational Water Facilities (2012, 2013, 2014 or 2015 version)\*\*\*

Additionally, ICC-SRCC is now offering certification to several additional, optional standards to augment the OG-100 solar thermal collector and OG-300 solar thermal system programs. These standards are provided as optional add-ons for programs for a nominal fee, as applicable.

- IAPMO S1001.1-2013, Design and Installation of Solar Water Heating Systems\*\*
- IAPMO PS-92-2012, Heat Exchangers and Indirect Water Heaters, International Association of Plumbing and Mechanical Officials\*\*
- IAPMO PS-96-2002, Passive Direct Solar Water Heaters, International Association of Plumbing and Mechanical Officials\*\*
- UL 1279, Outline of Investigation for Solar Collectors‡

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### **Why does ICC-SRCC offer so many different codes and standards for listings and additional standards for certification? How can I tell which ones I need?**

In developing this program, ICC-SRCC sought to include every possible model code and standard addressing solar heating and cooling products. Our goal was to make ICC-SRCC a true one-stop-shop structured to meet all of a manufacturer's listing and certification needs. Some codes are specific to certain types of products, applications, and certain regions of the country. There is no single plumbing or mechanical code in use in the U.S. and as a result, local requirements vary. If you are not sure which to select, ICC-SRCC staff will be happy to assist.

### **Which products does ICC-SRCC offer listings for?**

ICC-SRCC is accredited by the International Accreditation Service (IAS) to provide certifications and listings for Solar Heating and Cooling products, including solar thermal collectors and solar thermal water heating systems. ICC-SRCC is also accredited to offer EPA ENERGY STAR certification for solar thermal systems to the ENERGY STAR® Program for Residential Water Heaters.

Examples include solar thermal collectors, solar thermal systems, heat exchangers and pump stations. Note that listings are only valid for use in solar heating or cooling applications, per ICC-SRCC's accreditation.

### **How many models can I include in one code listing?**

As many as you want. There is no limit to the number of models included in a listing file, and each file may contain both systems and components. The only limitation is that all models in a given listing file must be listed to the same selection of codes. If you want to have some models listed to certain codes and standards and other models listed to different codes and standards, you will need to submit a separate application to get a file for each set. Files containing more than 100 models may be subject to additional fees. Contact ICC-SRCC for more details.

### **What is a file?**

A file is a single listing containing a number of models of collectors, systems or other solar thermal components, all evaluated to the same codes and/or standards. If you want to get some models listed

to certain codes and standards and other products listed to different codes and standards, you will need to submit a separate application to get a file for each set.

### **Can I have collectors and systems in the same file?**

Yes. Each file may contain both collectors and systems. The only limitation is that all products or systems in a given listing file must be listed to the same selection of codes and/or standards. If you want to have some models listed to certain codes and standards and other models listed to different codes and standards, you will need to submit a separate application to get a file for each set.

### **What if I don't have a product certified by ICC-SRCC? Can I still get an ICC-SRCC listing?**

Possibly. Contact us to discuss the specific details of your product or system.

### **Are listings mandatory?**

No, obtaining a listing from ICC-SRCC or any other listing agency is voluntary. However a listing provides a manufacturer a proven way of demonstrating compliance with key codes and standards and can facilitate acceptance and approval in the field. It also provides a way of setting yourself apart from your competition.

Model plumbing codes do require third-party certification to the standards referenced by a code, but not to a code itself. For example, the 2015 International Plumbing Code (IPC) reads:

**303.4 Third-party certification.** All plumbing products and materials shall be listed by a third-party certification agency as complying with the referenced standards. Products and materials shall be identified in accordance with Section 303.1.

### **Why should I get a listing?**

For systems, such as solar thermal systems, listings can significantly ease the process of approval and acceptance by code officials in the field. This is especially true for unique and novel systems or where components and parts are not readily visible in an assembly.

### **What does it cost?**

The costs are summarized in the ICC-SRCC Fee Schedule available on the ICC-SRCC website, [www.solar-rating.org](http://www.solar-rating.org) or, just click on the following: [http://solar-rating.org/apply/ICC-SRCC\\_Fee\\_Schedule.pdf](http://solar-rating.org/apply/ICC-SRCC_Fee_Schedule.pdf)

### **What are the marking requirements?**

Like the OG-100 and OG-300 programs, ICC-SRCC has a specific mark used to indicate that a product has received a ICC-SRCC listing shown below (specific usage is established in the ICC-SRCC Listing Program Agreement). The code listing mark does not replace the OG-100 or OG-300 marking requirements. It is applied in addition to them.



ICC-SRCC will also issue a separate listing award document that will be available for viewing on the ICC-SRCC website in much the same way as OG-100 and OG-300 certifications. It will list the specific codes and standards to which listings are provided and the time period when the listing is valid.

### **How long does it last (when will I need to renew)?**

Listings are valid for one year and will need to be renewed annually. Upon renewal, ICC-SRCC staff will confirm that there have been no changes to the product or associated manuals. If the codes and/or standards to which the product is certified have changed in the last year, ICC-SRCC staff will review the product to ensure that it complies with any new or revised requirements before issuing the recertification. ICC-SRCC staff will remind you of an upcoming renewal months prior to the expiration to help you ensure that there is no gap in your coverage.

### **What happens when the codes and standards change?**

New versions of the model codes are released every three years. New versions of standards are released periodically, but usually not on a predictable schedule. When any of the codes or standards to which ICC-SRCC lists solar heating and cooling products are updated, ICC-SRCC staff will review the new documents for changes impacting listings. Staff will then communicate a schedule to implement the new version of the code or standard in the ICC-SRCC Listing Program. After the effective date, all new listings and renewals will be done to the new code or standard version. ICC-SRCC will not require existing listing holders to update their listing to the new code or standard until the listing expires and is due for renewal.

### **How do the links to the SRCC listings on the ICC publicACCESS and premiumACCESS online code portals work?**

The International Code Council (ICC) provides online access to its family of 15 model codes through the publicACCESS and premiumACCESS portals. ICC-ES and SRCC provide links to listings that pertain to specific sections of ICC's codes. For examples, see the green ES symbol in [Chapter 23 of the 2015 IRC](#) or [Chapter 14 of the 2015 IMC](#). This feature places listings in front of millions of users of these online code portals. It's a service that only ICC-SRCC and ICC-ES can offer. And of course, all listings are always provided on [SRCC website's directory](#) as well.

### **How do I apply?**

Application is easy. Simply fill out the form at <http://goo.gl/forms/V2J2V81TXf> or e-mail [apply@solar-rating.org](mailto:apply@solar-rating.org).

### **What if I already have an OG-100 or OG-300 certified product, can I add on listings?**

You can obtain a ICC-SRCC Listing for any product that has an OG-100 or OG-300 certification (and certain commercial SHC components). Just go to the ICC-SRCC website to apply or e-mail [apply@solar-rating.org](mailto:apply@solar-rating.org) for more information. Be aware, though, that you can save money by applying for listings when you apply for your certification, where the application package fee is waived.

### **What if I get a listing and later want to add on another code or standard?**

Additional codes and standards can be added to an existing listing file at any time, but may incur fees for the change. Contact ICC-SRCC for details. Alternatively, additional codes or standards from the list of offerings in the ICC-SRCC Code Listing Guidelines can be added upon the renewal of a code listing.