



ICC-SRCC OG-100 CERTIFICATION SUBMITTAL REQUIREMENTS

The following minimum submittals are required to accompany an application for new ICC-SRCC OG-100 certifications for solar thermal collectors. Depending on the type of collector, additional information may be requested in order to complete the evaluation for certification and performance modeling.

OG-100 Solar Thermal Collector Certification Submittals	
1. Test report to ICC 901/SRCC 100-2020, ISO 9806-2017, or EN 12975 standard.	Required for all Basic* certifications. Resize* certifications do not require a new test report and will be based on an existing Basic certification. <u>The full test report is required, not just a summary or Keymark certification datasheet.</u>
2. Design Drawings for each Collector	Design drawings are required for each collector (Basic and Resize). Drawing(s) must provide the following minimum information (as applicable to the collector type): <ol style="list-style-type: none">Gross collector dimensions (L/W/D)Absorber cross-sectional shape, dimensions joining method to flow channels.Riser tube/flow channel cross-sectional shape, dimensions, spacing between tubes and flow pattern.Header cross-sectional shape, dimensions and external connector size.Insulation placement and thickness on back and sides.Glazing thickness and finishReflector or lens cross-sectional shape and dimensions.Materials for absorber, glazing, insulation, riser tubes, headers, reflectors and lenses. Specify any coatings applied to absorbers and glazing.
3. Manual(s) Applicable to each Collector	A manual applying to all collectors meeting the requirements of ICC 901/SRCC 100, Section 503 is required.

**Basic certifications are provided where the collector model has undergone testing as specified in ICC 901/SRCC 100. Resize certifications are provided where the collector model has not been tested, but is somewhat larger or smaller than a tested collector (but is otherwise identical).*



ICC-SRCC OG-300 & 400 CERTIFICATION SUBMITTAL REQUIREMENTS

The following minimum submittals are required to accompany an application for new ICC-SRCC OG-300 (domestic) and OG-400 (pool) solar water heater certifications. Depending on the type of system, additional information may be requested in order to complete the evaluation for certification and performance modeling.

OG-300 & OG-400 Solar Water Heating System Certification Submittals	
1. System Schematic	A schematic showing each component in the installed system must be provided.
2. Bill of Materials	A bill of materials listing each component in the system must be provided. Where a specific (non-generic) component is specified, must indicate the manufacturer and model number. *Note: BOM may be combined with the system schematic.
3. Component Specification Sheets	Specification sheets must be provided for the following off-the-shelf components listed in the BOM: pumps, external heat exchangers, controllers, tanks, PV modules
4. Design Drawings for any Custom Tanks and Heat Exchangers	Design drawings are required for each custom tank and heat exchanger included in the system. Drawings must provide the following minimum information (as applicable): <ol style="list-style-type: none">Gross tank dimensions (outside insulation)Storage vessel dimensions (inside insulation)Insulation placement and thickness.Location and size of each connection port.Location and size of heating elements, burners and sensors.Dip tube diameter, length and location.Drain port location and size.
5. Manual(s) Applicable to each System	Installation and operation manuals applying to all systems meeting the requirements of ICC 900/SRCC 300, Section 403 (for domestic solar water heating systems) or ICC 902/SRCC 400, Chapter 6 (for solar pool heaters) are required. *Note: Installation and operation may be addressed in the same document so long as all of the required information is provided.



ENERGY STAR® CERTIFICATION SUBMITTAL REQUIREMENTS

The following minimum submittals are required to accompany an application for new ENERGY STAR® solar water heater certifications. ICC-SRCC is an approved ENERGY STAR certification provider for solar water heaters. Requirements are set within the *ENERGY STAR Residential Water Heater Specification*.

ENERGY STAR® Solar Water Heating System Certification Submittals

1. ENERGY STAR® Partner Number	Manufacturers seeking ENERGY STAR certification for their product must first sign a Partner Agreement with the U.S. EPA . Upon acceptance, the EPA will provide the manufacturer with an ENERGY STAR Partner Number. This number must be provided to ICC-SRCC before an ENERGY STAR certification can be awarded.
2. Warranty Statement	A current warranty statement must be provided for each system. ENERGY STAR establishes warranty requirements for collectors, sealed systems, controls, piping and parts. Click here for more information.