

# **ICC 900/ SRCC 300-2015**

## **Solar Thermal System Standard**

American National Standard

International Code Council  
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Washington, D.C. 20001

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American National Standards Institute  
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# American National Standard

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Consensus is established when, in the judgement of the ANSI Board of Standards Review, substantial agreement has been reached by directly and materially affected interests. Substantial agreement means much more than a simple majority, but not necessarily unanimity. Consensus requires that all views and objections be considered, and that a concerted effort be made toward their resolution.

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# FOREWORD

## Introduction

The first version of this standard was developed in 1989 by the Solar Rating and Certification Corporation (SRCC) as a result of efforts by a consortium including the U.S. Department of Energy, National Renewable Energy Laboratory (NREL), Interstate Renewable Energy Council (IREC), Florida Solar Energy Center (FSEC) and the Solar Energy Industry Association (SEIA). Since that time, the standard has been updated periodically by means of SRCC's standard development process. The consensus process used by SRCC was consistent with ANSI requirements for the development of voluntary consensus standards including balance of stakeholders, transparency and due process.

In 2013, SRCC and ICC agreed to collaborate to develop an updated version of the SRCC 300-2013 standard through ICC's ANSI-approved Standard Development process to seek designation as an American National Standard (ANS). With direction from ICC's Board of Directors and the SRCC Board of Directors, the ICC Standards Council appointed a consensus committee to develop an updated standard to establish minimum performance requirements and rating of solar thermal systems.

## Development

This is the first edition of the International Code Council® (ICC®) 900/Solar Rating and Certification Corporation® (SRCC®) 300 *Solar Thermal System Standard*, but it is based substantially on the latest version of SRCC Standard 300, which originated in 1989. This standard was developed by the ICC/SRCC Solar Thermal Standard Consensus Committee (IS-STSC) that operates under ANSI-approved ICC Consensus Procedures for the development of ICC standards.

The meetings of the IS-STSC Consensus Committee were open to the public and interested individuals and organizations from across the country participated. Views and objections were solicited through several public comment periods. All views and objections were considered by the consensus committee and an effort was made toward their resolution. A vote by the consensus committee approved this standard.

The requirements in ICC 900/SRCC 300—2015 are based on the intent to both update the long-established SRCC 300 standard and improve consistency with the latest model plumbing and mechanical codes in use. A task group specifically reviewed the provisions within the standard to eliminate any conflicts with codes and establish common terms and rigor. The resulting document provides appropriate protections for health, safety and welfare while avoiding unnecessary restrictions on the use of new materials, technologies or designs.

## Adoption

ICC 900/SRCC 300, *Solar Thermal System* is available for reference and use by jurisdictions in both codes and incentive programs internationally. It represents an update to SRCC Standard 300 and is appropriate for use as a successor to that document. Its use within a governmental jurisdiction is intended to be accomplished through adoption by reference in accordance with proceedings establishing the jurisdiction's law.

## Interpretations

Requests for interpretations on the provisions of ICC 900/SRCC 300—2015 should be addressed to: ICC, Central Regional Office, 4051 Flossmoor Road, Country Club Hills, IL 60478.

## Maintenance—Submittal of Proposals

All ICC standards are revised as required by ANSI. Proposals for revising this edition are welcome. Please visit the ICC website at [www.iccsafe.org](http://www.iccsafe.org) for the official "Call for Proposals" announcement. A proposal form and instructions can also be downloaded from [www.iccsafe.org](http://www.iccsafe.org).

ICC, SRCC, its members and those participating in the development of ICC 900/SRCC 300—2015 do not accept any liability resulting from compliance or noncompliance with the provisions of ICC 900/SRCC 300—2015. Neither ICC nor SRCC have the power or authority to police or enforce compliance with the contents of this standard. Only the governmental body that enacts this standard into law has such authority.

## FOREWORD

### International Code Council Solar Thermal Standard Consensus Committee (IS-STSC)

Consensus Committee SCOPE: The Solar Thermal Standard Consensus Committee (IS-STSC) shall have primary responsibility for minimum requirements to safeguard the public health, safety and general welfare along with minimum performance, and evaluation requirements for solar thermal systems. The requirements contained in the *International Codes* pertaining to these situations shall be coordinated with the standards developed by the IS-STSC Consensus Committee.

This standard was processed and approved for submittal to ANSI by the ICC Solar Thermal Standard Consensus Committee (IS-STSC). Committee approval of the standard does not necessarily imply that all committee members voted for its approval.

Representatives on the Consensus Committee are classified in one of three voting interest categories, General Interest (G), User Interest (U) and Producer Interest (P). The committee has been formed in order to achieve consensus as required by ANSI Essential Requirements. At the time it approved this standard, the IS-STSC Consensus Committee consisted of the following members:

**Rolf Christ** (P), R&R Solar Supply, Honolulu, Hawaii

**Thomas Cleveland** (U), North Carolina Clean Energy Technology Center at NC State University, Raleigh, North Carolina

**John Del Mar, PE, MS** (U), Florida Solar Energy Center (FSEC), Cocoa, Florida

**William Funk, Jr.** (G), Cecil County Permits and Inspections, Elkton, Maryland

**Rex Gillespie** (P), Caleffi North America, Inc., Milwaukee, Wisconsin

**McKenzie W. James** (G), City of Portland, Portland, Oregon

**Robert J. Klein, CBO** (G), Town of Hilton Head Island, Hilton Head Island, South Carolina

**Nathan Lohse** (P), FAFCO, Inc., Chico, California

**Bill Miao** (P), SunEnergyNet, San Diego, California

**Larry Sherwood** (U), Sherwood Associates, Boulder, Colorado

**John Smirnow** (P), Solar Energy Industries Association (SEIA), Washington, District of Columbia

**Shawn Strausbaugh** (G), Arlington County, Arlington, Virginia

Secretaries: **Shawn Martin**, Director of PMG Activities, Plumbing, Mechanical and Fuel Gas Group, International Code Council, Pittsburgh, Pennsylvania; **Jim Huggins**, Technical Director, Solar Rating and Certification Corporation, Cocoa, Florida.

### Voting Membership in Each Category

Category	Number
General (G)	4
User (U)	3
Producer (P)	5
<b>TOTAL</b>	12

### Interest Categories

**General Interest:** Individuals assigned to the General Interest category are those who represent the interests of an entity, including an association of such entities, representing the general public, or entities that promulgate or enforce the provisions within the committee scope. These entities include consumers and government regulatory agencies.

**User Interest:** Individuals assigned to the User Interest category are those who represent the interests of an entity, including an association of such entities, which is subject to the provisions or voluntarily utilizes provisions within the committee scope. These entities include academia, applied research laboratory, building owner, design professional, government nonregulatory agency, insurance company, private inspection agency and product certification/evaluation agency.

**Producer Interest:** Individuals assigned to the Producer Interest category are those who represent the interests of an entity, including an association of such entities, which produces, installs or maintains a product, assembly or system subject to the provisions within the committee scope. These entities include builder, contractor, distributor, laborer, manufacturer, material association, standards promulgator, testing laboratory and utility.

**NOTE—Multiple Interests:** Individuals representing entities in more than one of the above interest categories, one of which is a Producer Interest, are assigned to the Producer Interest. Individuals representing entities in the General Interest and User Interest categories are assigned to the User Interest.

# TABLE OF CONTENTS

**CHAPTER 1 APPLICATION AND ADMINISTRATION..... 1**

Section

101 General ..... 1

102 Scope ..... 1

103 Referenced Documents..... 1

**CHAPTER 2 DEFINITIONS..... 3**

Section

201 General ..... 3

202 Defined Terms ..... 3

**CHAPTER 3 SYSTEM REQUIREMENTS..... 5**

Section

301 Overall System Design Criteria ..... 5

302 Reliability and Durability..... 10

303 Safety Criteria..... 11

304 Operation and Servicing Criteria ..... 12

305 Installation Criteria..... 12

306 Manual Criteria..... 13

307 Pump Stations..... 14

**CHAPTER 4 REFERENCED STANDARDS ..... 17**