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Contact: Solar Rating & Certification Corporation (SRCC)

Tel: 1-888-422-7333 x7736

smartin@solar-rating.org

www.solar-rating.org

ICC-SRCC Launches OG-500 Certification Program for Thermal Storage Devices and Tanks

*Certification Program Implements New ICC 903/SRCC 500 Standard for
Thermal Storage Tanks*

Brea, Calif. – The Solar Rating & Certification Corporation ([ICC-SRCC](https://www.solar-rating.org)), announces the launch of a new product certification program for thermal energy storage devices, entitled [OG-500](#). The program will provide third-party compliance assessment and performance ratings for products designed to store thermal energy for use in a wide range of applications in residential and commercial buildings.

The program launch offers certification to the new ICC 903/SRCC 500 Solar Tank Standard in coordination with ICC-SRCC's existing certifications for solar thermal collectors, systems and solar water heaters. The new ICC 903/SRCC 500 standard was approved by ANSI in early 2024 and recently published by the International Code Council (ICC). It addresses health and safety topics for indirect liquid storage tanks receiving heat from external sources like solar thermal collectors, boilers, and geothermal systems. It also includes standardized methods for rating the energy storage capacity of the tanks. ICC 903/SRCC 500 is available for free viewing or purchase on the ICC [website](#).

Under the OG-500 program, ICC-SRCC assesses the compliance of storage tanks with health, safety and durability requirements designed to coordinate with building codes throughout North America. Compliant products will be rated using performance test methods outlined in Appendix A of the ICC 903/SRCC 500 standard. The ratings will provide key performance values such as thermal energy storage capacity, standby losses, and the efficiency and pressure drop of integral heat exchangers. The standardized ratings will allow direct comparison of the performance of these tanks on a consistent

basis and provide an accurate source of information needed by system designers and energy modelers to size and design efficient systems properly.

“ICC-SRCC’s certifications and ratings have long demonstrated the value of unbiased third-party performance ratings for solar thermal equipment,” stated Shawn Martin, ICC-SRCC Vice President of Technical Services. “We’re excited to bring that same expertise to thermal storage technologies. Today’s designers recognize the value of “thermal batteries” to maximize the contribution of dynamic renewable energy sources, and take advantage of load shifting, arbitrage and demand response techniques.”

While the OG-500 program will launch with an initial focus on indirect thermal storage tanks storing liquids, it will expand to include other thermal storage devices in the near future. This includes devices using phase change materials, solid storage media and even ice storage.

For more information about the OG-500 program, and other ICC-SRCC certifications, visit the ICC-SRCC [website](#). ICC-SRCC provides authoritative certifications for renewable energy products that are cited and used by building safety regulators, utility incentive programs, and renewable energy incentives throughout North America.

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About ICC-SRCC

The Solar Rating & Certification Corporation ([ICC-SRCC](#)) is a program of the ICC Evaluation Service (ICC-ES), providing third-party services for products requiring both performance ratings and health and safety compliance assessments. ICC-SRCC is an accredited ISO 17065 and approved ENERGY STAR product certification body.

About ICC-ES

ICC-ES is the leading evaluation service for innovative building materials, components and systems. ICC-ES [Evaluation Reports](#) (ESRs), [Building Product Listings](#) and [PMG Listings](#) provide evidence that products and systems meet requirements of codes and technical standards worldwide, including the US, Canada, Mexico, Australia, New Zealand, and the MENA region. ICC-ES is a member of the [ICC](#) family of solutions.



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