

SOLAR WATER HEATING SYSTEMS

CEC-CF2R-STH-01-E (Revised 10/16)

CALIFORNIA ENERGY COMMISSION



CERTIFICATE OF INSTALLATION		CF2R-STH-01-E
Solar Water Heating Systems - For Non-HERS Registered Projects		(Page 1 of 2)
Project Name:	Enforcement Agency:	Permit Number:
Dwelling Address:	City:	Zip Code:

A. Solar Water Heating Systems		
01	SRCC Certification Type	
02	Central DHW System Distribution Type	
03	Certificate of Compliance Type	
04	Manufacturer Name	
05	Model Number	
06	SRCC Certification Number	
07	Calculated Solar Savings Fraction (annual average value)	
08	Number of Collectors	
09	Collector Area (ft ²)	
10	Water Heater Storage Volume (gallons)	
11	Secondary Storage Tank Volume (gallons)	
12	Collectors Angle from True North (in Degrees)	
13	Collectors Slope from Horizontal (in Degrees)	

B. SRCC OG-100 Certified Collectors		
<i>The installed system shall meet the following eligibility criteria:</i>		
01	System is installed at the same orientation as modeled.	
02	System is installed at the same tilt as modeled.	
03	The system shall have the same collectors, pumps, controls, storage tank and backup water heater fuel type as the rated condition.	
04	The collectors are located in a position that is not shaded by adjacent buildings or trees.	
05	Backup Storage tanks are insulated with either an internal R-12 (labeled on tank), or external R-16.	
The responsible person's signature on this compliance document affirms that all applicable requirements in this table have been met.		

C. SRCC OG-300 Certified Systems		
<i>The installed system shall meet the following eligibility criteria:</i>		
01	The collectors shall face within 35° of south and be tilted at a slope of at least 3:12.	
02	The system shall have the same collectors, pumps, controls, storage tank and backup water heater fuel type as the rated condition.	
03	The collectors shall be located in a position that is not shaded by adjacent buildings or trees.	
The responsible person's signature on this compliance document affirms that all applicable requirements in this table have been met.		

D. Sizing Compliance with Multifamily Central System Prescriptive Requirements		
01	For climate zones 1 through 9 only - the solar system has an annual solar savings fraction of 0.2.	
02	For climate zones 10 through 16 only – the solar system has an annual solar savings fraction of 0.35.	
The responsible person's signature on this compliance document affirms that all applicable requirements in this table have been met.		

E. Mandatory Measures for Solar Water Heating Systems		
01	Backup storage tanks for solar water-heating systems have R-12 external insulation, or R-16 internal insulation where the internal insulation R-value indicated on the exterior of the tank. (§150.0(j)1B).	
02	All domestic hot water piping (including solar) shall be insulated (§150(j)2A).	
03	Solar water-heating system and/or collectors are certified by the Solar Rating and Certification Corporation. (§150.0(n)).	
The responsible person's signature on this compliance document affirms that all applicable requirements in this table have been met.		

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DOCUMENTATION AUTHOR'S DECLARATION STATEMENT		
1. I certify that this Certificate of Installation documentation is accurate and complete.		
Documentation Author Name:	Documentation Author Signature:	
Documentation Author Company Name:	Date Signed:	
Address:	CEA/HERS Certification Identification (If applicable):	
City/State/Zip:	Phone:	
RESPONSIBLE PERSON'S DECLARATION STATEMENT		
I certify the following under penalty of perjury, under the laws of the State of California:		
<ol style="list-style-type: none"> The information provided on this Certificate of Installation is true and correct. I am either: a) a responsible person eligible under Division 3 of the Business and Professions Code in the applicable classification to accept responsibility for the system design, construction, or installation of features, materials, components, or manufactured devices for the scope of work identified on this Certificate of Installation, and attest to the declarations in this statement, or b) I am an authorized representative of the responsible person and attest to the declarations in this statement on the responsible person's behalf. The constructed or installed features, materials, components or manufactured devices (the installation) identified on this Certificate of Installation conforms to all applicable codes and regulations and the installation conforms to the requirements given on the Certificate of Compliance, plans, and specifications approved by the enforcement agency. I will ensure that a registered copy of this Certificate of Installation shall be posted or made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a registered copy of this Certificate of Installation is required to be included with the documentation the builder provides to the building owner at occupancy. 		
Responsible Builder/Installer Name:	Responsible Builder/Installer Signature:	
Company Name: (Installing Subcontractor or General Contractor or Builder/Owner)	Position With Company (Title):	
Address:	CSLB License:	
City/State/Zip:	Phone:	Date Signed: