

One system. One company.

The prepackaged, specially engineered solar water heating system includes all of the components needed for a standard installation — from the solar collectors, to the pump station and controller, to pre-insulated piping, to the storage tank, and all of the necessary hardware and plumbing components. Caleffi's complete package is ready to be professionally installed and comes with the added assurance of a detailed warranty plan.

Systems range in size from a one-collector system, intended for one- to two-person households, to a four-collector system, for households with four to eight people. Caleffi's Solar Water Heating System is equally compatible with newly constructed or existing homes, and its flexibility allows a variety of installation options, ranging from roof installations to ground mounts.



All Systems
are OG-300
Certified

CALEFFI SOLAR

Solar Water Heaters

Solar Flat Plate Collectors



Modern solar collectors are attractively finished and look similar to low-profile skylights. Ten year warranty.

- 7.5 kWh/25 Btu, 9.5 kWh/32 Btu or 12.0 kWh/40 Btu per day (SRCC cat. C)
- Universal foot mounts for flush roof or ground mount
- Durable low iron tempered glass
- Selective coating on absorber plate
- Attractive bronze extruded aluminum frame
- SRCC OG-100 certified and listed



SolarFlex™ Insulated Flexible Stainless Steel Piping



High temperature EPDM insulation, UV resistant. Six year warranty.

- 3/4" x 50 foot continuous coil
- Heavy durable UV resistant film outside jacket with built-in sensor wire



iSolar™ Differential Temperature Controller and Solar Pump Station



Controls flow, pump speed and tank temperature. Four year warranty with authorized installer.

- Variable pump speed control
- Collector overheat protection
- Storage tank cooling
- kWh energy measurement
- Adjustable delta T function
- Shut off valves with built-in flow checks
- Fill and purge plus safety valves
- Flow meter and flow adjustment
- Temperature and pressure gauges
- Three speed pump, UL listed




SolarCon™ Storage Tank

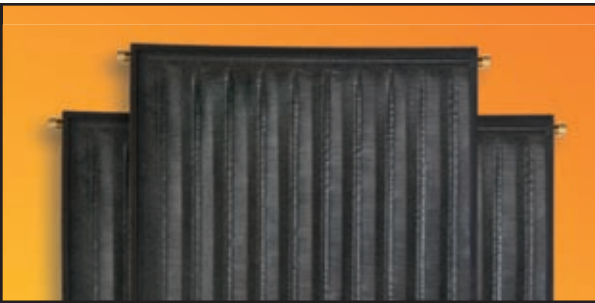


50, 80 and 120 gallon with boost heating. Six year warranty.

- 4,500 watt UL listed boost element with aquastat (available on select tanks)
- All sizes feature single heat exchanger coils (lower), some 80 and 120 gallon tanks also feature dual heat exchanger coils (upper and lower)
- Thick durable porcelain enamel lining
- Heavy gauge powdered coated steel outside jacket
- Dual heavy duty anode rods for corrosion protection
- Thick 2" non CFC foam insulation
- Built-in temperature sensor wells



Family Members	Rated Heat Generating Capacity per Day (SRCC cat. C)	Solar Flat Plate Collector		SolarCon Storage Tank Size	 Solar Fraction	OG-300 Certified System Code
		Size	Qty.			
1 to 2 People	7.5 kWh / 25 Btu	4' x 6.5'	1	50 gal. single coil	—	NAS30020
	9.5 kWh / 32 Btu	4' x 8'	1	50 gal. single coil	—	NAS30020P8
	12.0 kWh / 40 Btu	4' x 10'	1	50 gal. single coil	0.50	NAS30020P10
	15.0 kWh / 50 Btu	4' x 6.5'	2	50 gal. single coil	0.63	NAS300201
	15.0 kWh / 50 Btu	4' x 6.5'	2	80 gal. single coil	0.63	NAS30040
	15.0 kWh / 50 Btu	4' x 6.5'	2	80 gal. dual coil	0.73	NAS30042
	19.0 kWh / 64 Btu	4' x 8'	2	50 gal. single coil	0.72	NAS300201P8
	19.0 kWh / 64 Btu	4' x 8'	2	80 gal. single coil	0.74	NAS30040P8
	19.0 kWh / 64 Btu	4' x 8'	2	80 gal. dual coil	0.80	NAS30042P8
2 to 4 People	22.5 kWh / 75 Btu	4' x 6.5'	3	80 gal. single coil	0.82	NAS300401
	22.5 kWh / 75 Btu	4' x 6.5'	3	80 gal. dual coil	0.88	NAS300421
	22.5 kWh / 75 Btu	4' x 6.5'	3	120 gal. single coil	0.75	NAS30060
	22.5 kWh / 75 Btu	4' x 6.5'	3	120 gal. dual coil	0.82	NAS30062
	24.0 kWh / 80 Btu	4' x 10'	2	50 gal. single coil	0.82	NAS300201P10
	24.0 kWh / 80 Btu	4' x 10'	2	80 gal. single coil	0.83	NAS30040P10
	24.0 kWh / 80 Btu	4' x 10'	2	80 gal. dual coil	0.88	NAS30042P10
	28.5 kWh / 96 Btu	4' x 8'	3	80 gal. single coil	0.94	NAS300401P8
	28.5 kWh / 96 Btu	4' x 8'	3	80 gal. dual coil	0.96	NAS300421P8
	28.5 kWh / 96 Btu	4' x 8'	3	120 gal. single coil	0.87	NAS30060P8
	28.5 kWh / 96 Btu	4' x 8'	3	120 gal. dual coil	0.91	NAS30062P8
4 to 8 People	30 kWh / 100 Btu	4' x 6.5'	4	120 gal. single coil	0.92	NAS300601
	30 kWh / 100 Btu	4' x 6.5'	4	120 gal. dual coil	0.93	NAS300621
	36 kWh / 120 Btu	4' x 10'	3	80 gal. single coil	0.95	NAS300401P10
	36 kWh / 120 Btu	4' x 10'	3	80 gal. dual coil	0.97	NAS300421P10
	36 kWh / 120 Btu	4' x 10'	3	120 gal. single coil	0.95	NAS30060P10
	36 kWh / 120 Btu	4' x 10'	3	120 gal. dual coil	0.97	NAS30062P10
	38 kWh / 128 Btu	4' x 8'	4	120 gal. single coil	0.95	NAS300601P8
	38 kWh / 128 Btu	4' x 8'	4	120 gal. dual coil	0.97	NAS300621P8
	48 kWh / 180 Btu	4' x 10'	4	120 gal. single coil	0.95	NAS300601P10
	48 kWh / 180 Btu	4' x 10'	4	120 gal. dual coil	0.97	NAS300621P10



Solar Flat Plate Collectors

Made with 100% copper tubes and absorber fins, enclosed in 100% aluminum and sealed with impact resistance low iron glass. Pre-installed and pressure tested brass union connections for fast easy installation.

Part #	Description
NAS10406 ____	4' x 6.5' – 7.5 kWh / 25 Btu per day (SRCC Category C)
NAS10408 ____	4' x 8' – 9.5 kWh / 32 Btu per day (SRCC Category C)
NAS10410 ____	4' x 10' – 12.0 kWh / 40 Btu per day (SRCC Category C)



SolarCon Storage tanks

Porcelain coated steel interior. 2" non-CFC foam insulation. Powder-coated steel exterior. Internal heat exchanger (HX) coils. Built-in temperature sensor wells.

Part #	Description
NAS20053	50 gallon tank, lower HX coil with electric element boost
NAS20083	80 gallon tank, lower HX coil with electric element boost
NAS20082	80 gallon tank, lower HX coil and top HX coil for boiler boost
NAS20123	120 gallon tank, lower HX coil and electric element boost
NAS20122	120 gallon tank, lower HX coil and top HX coil for boiler boost



System Components

The following are included in each solar water heating system:

Key	Part #	Description
1	259012	3 gallon
	259018	5 gallon
	259024	7 gallon
	259035	9 gallon
		Tank size is system dependent
2	255001	Expansion tank wall mounting kit with double-check valve
3	255060A	Dual-line solar pump station with 3/4" SolarFlex fittings
4	NA267003	Bracket kit to mount solar pump station to storage tank
5	257260A	iSolar Plus differential temperature controller
6	NA15006	Lightning protector
7	NA10092	18" SJ round cord connects pump to controller
8	NA3540-15	SolarFlex 3/4" x 50 ft. coil piping with fittings to attach directly to solar pump station collector
9	NA12133	Hangers for 3/4" SolarFlex (4 pcs)
10	NA3140-02	Two 3/4" SolarFlex pipes with insulation. 6' long for tank HX connection to bottom of solar pump station
11	NA10093	Two 90-degree brass elbows 1" male union half for tank HX connection to bottom of solar pump station
12	250041A	Automatic solar air vent, 1/2" NPT male
13	NA29284	Solar air vent shut-off valve, 1/2" NPT MxF
14	NAT624162	Tee 1" M union x 1/2" NPT F x 1" union nut
15	NA35001	EPDM insulation black tape, 1/8" x 2" x 25' roll, UV-resistant
16	NA35002	UV-resistant black film tape, 2" x 30' roll
17	NA12145	Connection kit for 6.5' collectors (odd and even number)
	NA12146	Connection kit for even number of 8' and 10' collectors
	NA12147	Connection kit for odd number of 8' and 10' collectors
18	NAS10001	Universal foot mounts for solar collectors (one set per collector)
19	NA10103	5-15 gallons of premixed 50/50 non-toxic heat transfer fluid. NSF listed (quantity system dependent)

Why Caleffi Solar Water Heating?

Homeowners are asking a lot of questions about solar water heating in general and Caleffi in particular. Here are a few key points that separate Caleffi from other solar system providers.

Experience with solar solutions — homeowners want the peace of mind of dealing with a proven system. Caleffi has successfully developed energy efficient and reliable solar solutions for years all over the world. No one offers a more complete or more proven all-in-one solar water heating package.

One source convenience — it's the first and only complete solar water heating system in a box. We provide it all to you for easier, faster installation.

Strongest warranty in industry — the entire system is warranted, up to 10 years, depending on the component. What's more, the homeowner will know we'll be here to answer questions or provide customer support years after the installation.

New or retrofit installations — Caleffi solar water heating is ideal for new construction but is also easy to install in most existing homes. The location of the solar panel is the determining factor.



Why solar water heaters?

As energy costs increase, a growing number of consumers are re-examining solar solutions for their home. Here's a brief overview of today's solar consumer.

They care about environment — in a recent survey, the majority of homeowners responded they are looking for energy saving solutions. They know solar is a clean, renewable source of energy but they may not know to make it part of their home. For many homeowners, Caleffi solar water heater is first step in integrating green technology in their lifestyle.

They care about long-term costs — according to the U.S. Department of Energy, use of a solar water heater should decrease a consumer's hot water bills 50 to 80 percent. With tax credits and utility support programs, savings could be even greater over time. In fact, up to 30% of the initial cost can be reduced. Our Cost Savings

Calculator, made possible by SOLAR-ESTIMATE.ORG, is a free, public service to help estimate the size and cost of installing a solar water heater. Included in the estimate is a financial analysis helping customers understand the utility savings you can expect and the net system cost, including all available government tax credits and ENERGY STAR rebates.

They care about esthetics — many homeowners are concerned about the appearance of solar panels. Caleffi solar plate collectors are attractively finished and fit neatly into the roof much like a low profile skylight.

They are about quality — homeowners who commit to a green lifestyle are looking for long-term solutions. So they want systems that will continue to reduce energy costs and benefit the environment for as long as they own their homes. The proven track record of Caleffi Solar and the long-term warranties give consumers peace of mind.



Discover how Caleffi Solar water heating can help your business shine. For more information call 414-238-2360 or visit www.caleffi-solar.us



National Association of Home Builders



CALEFFI SOLAR

Caleffi North America, Inc.
3883 W Milwaukee Road
Milwaukee, WI 53208
P: 414-238-2360 • F: 414-238-2366
www.caleffi.us/sales@caleffi.com