

EcoStor2™ SC Solar Indirect System Single Coil Electric Backup Models



Photo is of
S-DW2-60R6DS

The EcoStor2™ Single Coil Models feature:

- **Heat Exchanger**—Double Wall 1½" O.D. glass coated (Vitrageas®) steel coil ensures separation of potable water and heating fluid. The coil has a heat transfer area of 14.2 sq. ft. and a stored water volume of 2.5 gal. Maximum supply temperature from the solar collector must not exceed 250°F.
- **Sensor Wires for Solar Thermistor Connections**—Twisted wires are provided under the Upper and Lower covers. These wires have been provided as a means for connecting thermistors to a solar controller (Thermistors and Solar Controller are not provided).
- **Integrated Mixing Device**—Integrated mixing device features a thermostatically controlled mixing device that is pre-piped with a flexible connector. This required system is easily installed and ensures a comfortable outlet temperature while providing a steady flow of hot water.
- **Backup Element(s)**—A dual, or single backup heating element provides heat only when solar energy does not satisfy demand. Dual element models allow entire tank to hold hot water during periods where solar heating is not available.
- **Factory Installed Hydrojet® Total Performance System**—Cold water inlet sediment reducing device helps prevent sediment build up in tank. Increases first hour delivery of hot water while minimizing temperature build up in tank.
- **Vitrageas® Lining**—Bradford White tanks are lined with a exclusively engineered enamel formula that provides superior protection from the highly corrosive effects of hot water. This formula (Vitrageas®) is fused to the steel surface by firing at a temperature of over 1600°F.
- **Fully Automatic Controls**—Fast acting surface-mount thermostat(s) for automatic temperature control. Factory installed sensitive manual reset energy cutoff for safety to prevent overheating.
- **Supply and Return Connections**—¾" NPT female connections are located on the front for both the solar collector supply and return.
- **2" Non-CFC Foam Insulation**—Covers the sides and top of tank, reducing the amount of heat loss. This results in less energy consumption, improved operation efficiencies and jacket rigidity.
- **Potable Water Connections**—¾" NPT factory installed true dielectric fittings extend water heater life and eases installation.
- **Two Protective Aluminum Anode Rods**—Provide added protection against corrosion for long trouble-free service.
- **Direct Heat Transfer With Immersed Incoloy Element(s)**—Transfers heat directly and efficiently to the water. Screw-in style.
- **Steel Tank**—Heavy gauge steel automatically formed, rolled and welded to assure a continuous seam for glass lining.
- **T&P Relief Valve**—Included.
- **Brass Drain Valve**—Tamper proof.



6-Year Limited Tank Warranties / 6-Year Limited Warranty on Component Parts.

For more information on warranty, please visit www.bradfordwhite.com

For products installed in USA, Canada and Puerto Rico. Some states do not allow limitations on warranties. See complete copy of the warranty included with the heater.

EcoStor2™ Indirect Water Heater System

Single Coil Electric Backup Models

Meet or exceed ASHRAE 90.1b (current standard)

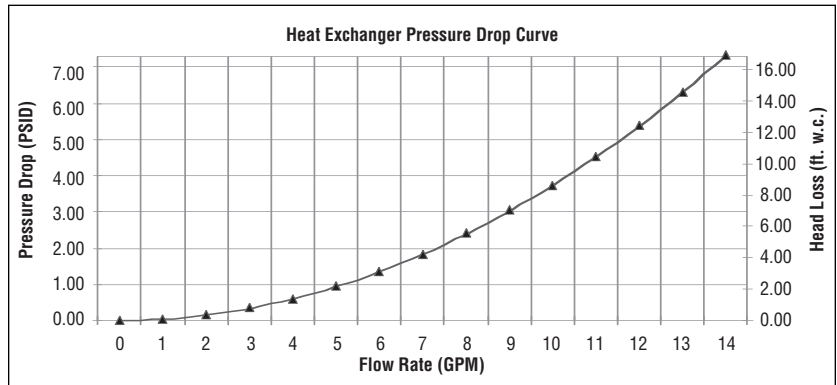
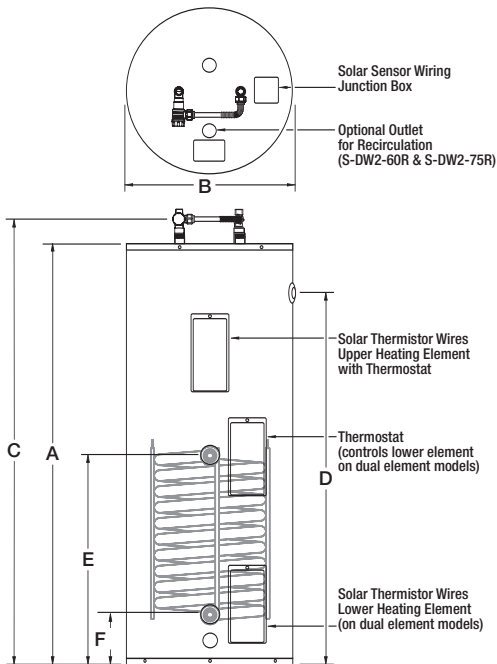
Model Number	Capacity		Recovery at 90°F Rise*		A Floor to Heater Top	B Jacket Dia.	C Floor to Water Conn.	D Floor to T&P Conn.	E Floor to Solar Collector Supply	F Floor to Solar Collector Return	Approx. Shipping Weight
	U.S. Gal.	Imp. Gal.	U.S. GPH	Imp. GPH	in.	in.	in.	in.	in.	in.	lbs.
S-DW2-60R6DS	60	50	20	18	59 1/4	22	60 1/4	53	29 1/2	7 3/8	217
S-DW2-75R6DS	75	62	20	18	59 1/4	24	60 1/4	53	29 1/2	7 3/8	241
S-DW2-115R6DS	115	96	20	18	62 3/4	28 1/4	62 1/4	55 3/4	29 1/2	7 3/8	345

Model Number	Capacity		Recovery at 50°C Rise*		A Floor to Heater Top	B Jacket Dia.	C Floor to Water Conn.	D Floor to T&P Conn.	E Floor to Solar Collector Supply	F Floor to Solar Collector Return	Approx. Shipping Weight
	Liters	Liters/ Hour	Liters/ Hour	Liters/ Hour	mm.	mm.	mm.	mm.	mm.	mm.	kg.
S-DW2-60R6DS	227	76	76	76	1504	559	1530	1346	749	187	96
S-DW2-75R6DS	283	76	76	76	1504	609	1530	1346	749	187	108
S-DW2-115R6DS	435	76	76	76	1593	717	1581	1416	749	187	155

*Based on 4500W/4500W, Non-Simultaneous operation.
 Optional 5500W/5500W, Non-Simultaneous operation.
 For single element models change suffix "D" to "S".

Electric Backup Water Heater Ratings

Model Number	First Hour Supply (Gal.)		Standby Heat Loss Rating (°F/Hr.)
	Single Element	Dual Element	
S-DW2-60R6DS	46	84	1.1
S-DW2-75R6DS	53	97	0.9
S-DW2-115R6DS	83	124	0.7



General

All electric water heaters are certified at 300 PSI test pressure (2068 kPa) and 150 PSI working pressure (1034 kPa). All potable water and electrical connections are 3/4" NPT (19mm) on 8" (203mm) centers. All models UL listed.

Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.

Suitable for Water (Potable) Heating and Space Heating.

Toxic chemicals, such as those used for boiler treatment, shall NEVER be introduced into the potable side of this system. The potable side may NEVER be connected to any existing heating system or component(s) previously used with a non-potable water heating appliance.



Ambler, PA

For U.S. and Canada field service, contact your professional installer or local Bradford White sales representative.

Sales 800-523-2931 • Fax 215-641-1670 / Technical Support 800-334-3393 • Fax 269-795-1089 • Warranty 800-531-2111 • Fax 269-795-1089

International: Telephone 215-641-9400 • Telefax 215-641-9750 / www.bradfordwhite.com

BRADFORD WHITE-CANADA INC. Sales / Technical Support 866-690-0961 / 905-238-0100 • Fax 905-238-0105 / www.bradfordwhite.com

Built to be the Best™

©2009, Bradford White Corporation. All rights reserved.