

## Solar Saver<sup>®</sup> Electric Backup Models



Photo is of  
MS80R6SS

**The Solar Saver<sup>®</sup> Models feature:**

- **Backup Element**—A single backup heating element provides heat only when solar energy does not satisfy demand.
- **Factory Installed Hydrojet<sup>®</sup> Total Performance System**—Sediment reducing device that also increases first hour delivery of hot water while minimizing temperature build-up in tank.
- **Vitraglas<sup>®</sup> Lining**—An exclusively engineered enamel formula that provides superior tank protection from the highly corrosive effects of hot water. This formula (Vitraglas<sup>®</sup>) is fused to the steel surface by firing at a temperature of over 1600°F (871°C).
- **Fully Automatic Controls**—Fast acting surface-mount thermostat for automatic temperature control. Factory installed sensitive manual reset energy cutoff for safety to prevent overheating.
- **Supply and Return Connections**—3/4" NPT female connections are located on the top for both the solar collector supply and return.
- **Alternate Solar Collector Supply and Return Connections**—Located on the front for additional application flexibility (MS80 and MS120 only).
- **Insulation System**—2" (51mm) Non-CFC foam insulation covers the sides and top of the tank, reducing heat loss. This results in less energy consumption, improved efficiencies, and jacket rigidity.
- **Water Connections**—3/4" (19mm) NPT factory-installed true dielectric fittings extend water heater life and simplify water line connections.
- **Sensor Wires for Solar Thermistor Connections**—Twisted wires are provided as a means for connecting thermistors to a solar controller (thermistors and solar controller are not provided).
- **Protective Magnesium Anode Rod**—Provides added protection against corrosion for long-term, trouble-free service.
- **Direct Heat Transfer With Immersed Element**—Transfers heat directly and efficiently to the water. Screw-in style.
- **T&P Relief Valve**—Included.
- **Low Restrictive Brass Drain Valve**—Durable tamper proof design.



**6 or 10-Year Limited Tank Warranties / 6-Year Limited Warranty on Component Parts.**

For more information on warranty, please visit [www.bradfordwhite.com](http://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.

MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING U.S. PATENTS: 5,682,666; 7,634,976; 5,660,165; 5,954,492; 6,056,542; 6,935,280; 5,372,185; 5,485,879; 5,574,822; 7,971,560; 7,992,526; 6,684,821; 6,442,178; 7,334,419; 7,866,168; 7,270,087; 7,007,748; 5,596,952; 6,142,216; 7,699,026; 5,341,770; 7,337,517; 7,665,211; 7,665,210; 7,063,132; 7,063,133; 7,559,293; 7,900,589; 5,943,984; 8,082,888; 5,988,117; 7,621,238; 7,650,859; 5,761,379; 7,409,925; 5,277,171; 8,146,772; 7,458,341; 2,262,174. OTHER U.S. AND FOREIGN PATENT APPLICATIONS PENDING. CURRENT CANADIAN PATENTS: 2,314,845; 2,504,824; 2,108,186; 2,143,031; 2,409,271; 2,548,958; 2,112,515; 2,476,685; 2,239,007; 2,092,105; 2,107,012. Vitraglas<sup>®</sup> and Hydrojet<sup>®</sup> are registered trademarks of Bradford White<sup>®</sup> Corporation.

# Solar Saver® Water Heater System

## 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 Alt. Collector Return Conn.	F Floor to Alt. Collector Supply Conn.	Approx. Shipping Weight
	U.S. Gal.	Imp. Gal.	U.S. GPH	Imp. GPH	in.	in.	in.	in.	in.	in.	lbs.
MS65R6SS	65	54	21	18	59	22	60	52½	—	—	168
MS80R6SS†	80	67	21	18	59	24	60	52½	38	7⅞	210
MS120R6SS†	119	99	21	18	62½	28	63½	56	38¼	7⅞	310

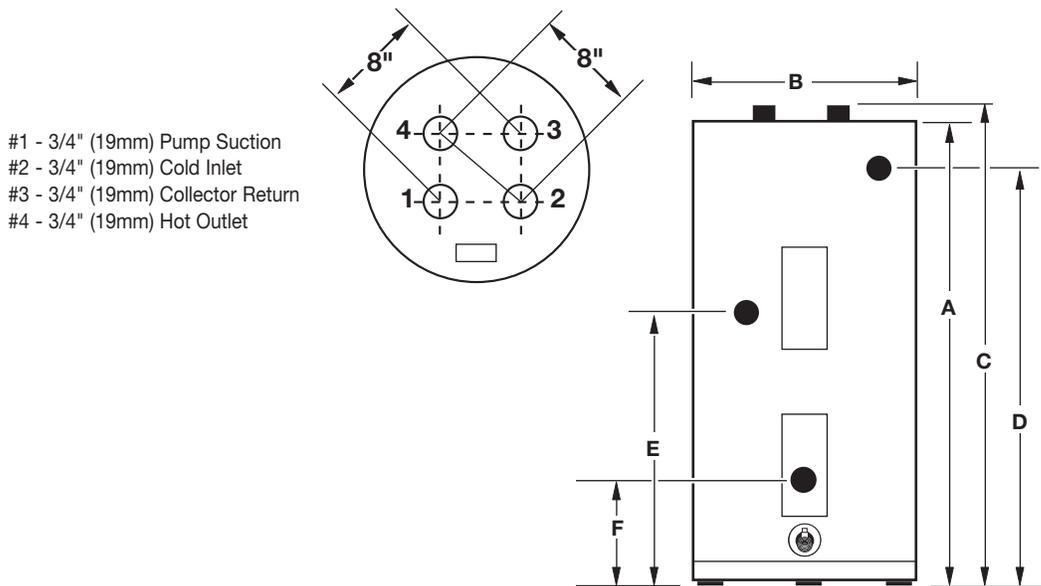
  

Model Number	Capacity		Recovery at 50°C Rise*		A Floor to Heater Top	B Jacket Dia.	C Floor to Water Conn.	D Floor to T&P Conn.	E Floor to Alt. Collector Return Conn.	F Floor to Alt. Collector Supply Conn.	Approx. Shipping Weight
	Liters	Liters/ Hour	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	kg.
MS65R6SS	246	79	1499	559	1524	1334	—	—	—	—	75
MS80R6SS†	303	79	1499	610	1524	1334	965	200	—	—	95
MS120R6SS†	450	79	1594	711	1613	1422	972	200	—	—	141

\* Based on standard 240 volt, 4500 W operation.

† Models offer additional solar collector return connections.

**If requirements are for storage only, do not use element connections.**



### 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 ETL listed.

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

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.

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