



# Residential Electric Direct Solar Booster Water Heaters

American 80 and 120-gallon direct solar booster water heaters are designed for installation as part of direct (open loop) solar water heating systems or for use with external heat exchangers in closed loop systems. They provide storage for the hot water produced by the solar panels and a supplementary electric heating element that maintains consistent water temperature during periods when solar energy is not available. Count on American for innovative products that provide hot water solutions for residential renewable-energy applications.

## MULTIPLE CONNECTION OPTIONS FOR INSTALLATION FLEXIBILITY

- Side and top connections for open loop systems or closed loop systems using an external heat exchanger

## ELECTRICAL

- 4500 watt heating element - long lasting low-watt density spreads wattage over larger surface area to prolong element life and maximize efficiency
- Prewired for surface mount temperature sensor (sensor supplied separately)

## TANK CONSTRUCTION

- Glasslined Steel Tank –glass lining protects against corrosion to maximize tank life
- 2 Inch thick “Environmentally-Friendly” Non-CFC Foam insulation (R14 Value) reduces standby heat loss

## ANODE ROD

- Aluminum anode rod protects tank against corrosion

## DIFFUSER DIP TUBE

- Helps reduce lime and sediment buildup to maximize hot water output

## FACTORY-INSTALLED CSA CERTIFIED AND ASME RATED T&P RELIEF VALVE

## DURABLE TAMPER-RESISTANT BRASS DRAIN VALVE

## CODES AND STANDARDS

Units are UL and cUL listed to UL 174 Standard for Household Electric Storage Tank Water Heaters and CAN/CSA-C22.2 No. 110-M90; Packaged Solar Domestic Hot Water Systems (Liquid-to-Liquid Heat Transfer) For All-Season Use, F379.1-09 and Packaged Solar Domestic Hot Water Systems for Seasonal Use, F379.2-09. Complies with California legislation AB 1953 and Vermont legislation Act 193 that limits the lead content in plumbing fixtures that come into contact with drinking water to a maximum of 0.25%.

## \*6-YEAR LIMITED TANK AND PARTS WARRANTY

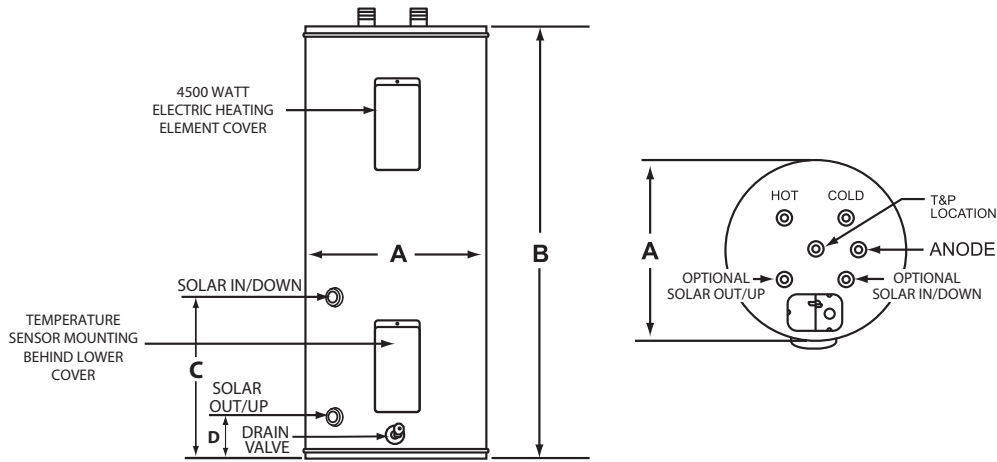
\*For complete warranty information consult the written warranty of American Water Heaters found at [www.americanwaterheater.com](http://www.americanwaterheater.com), or call (800) 456-9805.



Product is eligible for a 30% Federal Tax Credit when installed as part of a complete American solar water heating system. For more information, visit [www.americanwaterheater.com](http://www.americanwaterheater.com).



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MODEL NUMBER	GALLON CAPACITY	HEIGHT WATER CONN.	JACKET DIAMETER A	HEIGHT TOP OF TANK B	OPTIONAL SOLAR IN/DOWN C	OPTIONAL SOLAR OUT/UP D	APPROX. SHIP WEIGHT
SE62-80H-045S	80	60-1/4	24	59-1/4	20-1/2	7-1/2	191
SE62-119R-045S	119	62	28	61-1/2	20-1/2	7-1/2	278

\*Limited warranty on tank and parts. Complete details in manual.

## Specification

Furnish and install, where indicated, in accordance with manufacturer's instructions and in compliance with all rules and regulations of authorities having jurisdiction.

Storage tank(s) shall be American® Model \_\_\_\_\_ as manufactured by American Water Heaters or equivalent. Storage tank(s) shall have a nominal storage capacity of \_\_\_\_\_ gallons, recovery of \_\_\_\_\_ GPH at \_\_\_\_\_ ° F temperature rise and supplied with auxiliary heating elements rated at 4.5 KW, \_\_\_\_\_ volt. Storage tank(s) are hydrostatic tested at 300 PSI having a working pressure of 150 PSI and shall have a Fused Ceramic Shield internally lined tank applied under pressure and fired at 1600° F allowing for maximum protection. Storage tank(s) shall be equipped with an approved pressure and temperature relief valve. The outer jacketing shall have a baked enamel finish. The tank shall be foam insulated with an EPA-approved, non-CFC material 2" in thickness. Storage tank(s) shall have a 6-year limited warranty against corrosion as outlined in the written warranty.

## Distributed By:

### Order Entry and Sales

500 Princeton Road (FEDEX, UPS)  
 Johnson City, TN 37601-2030  
 P.O. Box 4808 (Mailing)  
 Johnson City, TN 37602-4808  
 (800) 937-1037  
 FAX (800) 581-7224

### Warranty and Service

500 Princeton Road (FEDEX, UPS)  
 Johnson City, TN 37601-2030  
 P.O. Box 1597 (Mailing)  
 Johnson City, TN 37605-1597  
 (800) 456-9805  
 FAX (800) 999-5210