



Residential Electric Direct Solar Water Heaters

RESIDENTIAL ELECTRIC DIRECT SOLAR WATER HEATERS

A. O. Smith direct solar water heaters are designed for installation as a part of a direct (open loop) solar water heating system or for use with external heat exchangers in closed loop systems. These models provide storage for the hot water produced by the solar collectors and a supplementary electric heating element that maintains consistent water temperature during periods when solar energy is not available. Count on A. O. Smith 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 design spreads wattage over larger surface area to prolong element life and maximize efficiency
- Pre-wired for surface mount temperature sensor (sensor supplied separately)

TANK CONSTRUCTION

- Glasslined Steel Tank – glasslining protects against corrosion to maximize tank life
- 2-inch thick "Environmentally-Friendly" Non-CFC Foam insulation (R16 Value) reduces standby heat loss

ANODE ROD

- Aluminum anode rod with stainless steel core protects tank against corrosion

CSA CERTIFIED AND ASME RATED T&P RELIEF VALVE

DURABLE TAMPER-RESISTANT BRASS DRAIN VALVE

COMPLIANCE

- 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; 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

- Optional 10-year extension on tank warranty when used in a residential application
- 3-year tank and 1-year parts warranty when installed in a commercial application
- For complete information, consult written warranty or contact A. O. Smith Water Products Company



SUN-65



Low Lead Content

Eligible for a 30% federal tax credit when installed as part of a complete solar water heating system.
For more information visit www.hotwater.com



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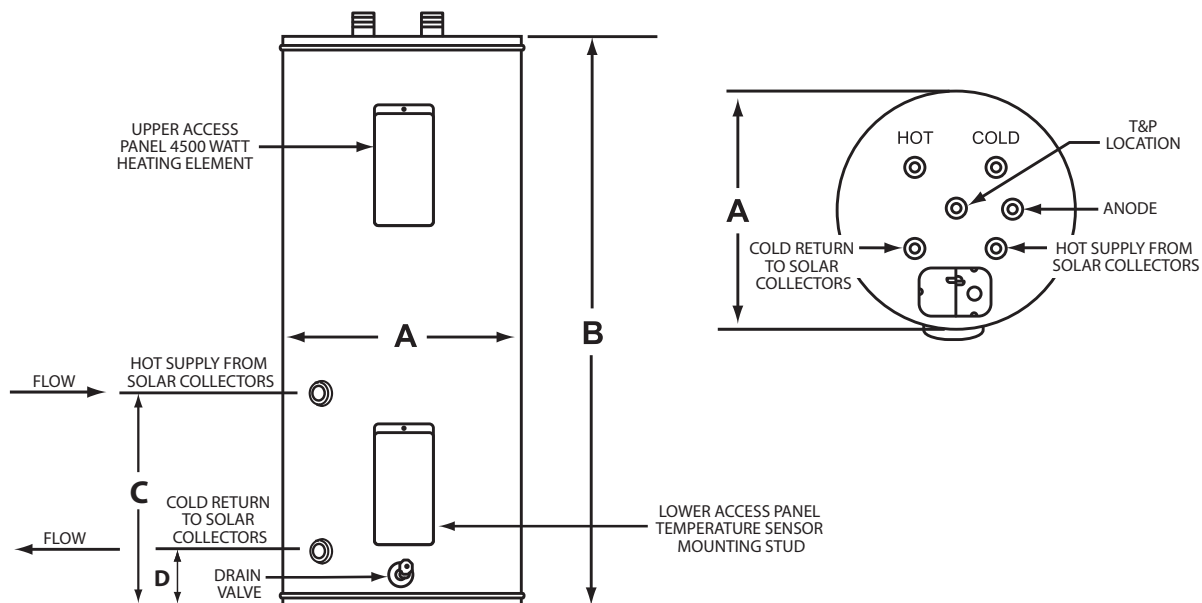
RESIDENTIAL ELECTRIC DIRECT SOLAR WATER HEATER

MODEL NUMBER	GALLON CAPACITY	ELEMENT WATTAGE (240 VOLT)	RECOVERY 90° RISE GALLONS PER HOUR	NUMBER OF ELEMENTS	INSULATION R VALUE	HEIGHT WATER CONNECTION	JACKET DIAMETER A	HEIGHT TOP OF TANK B	OPTIONAL SOLAR IN/DOWN C	OPTIONAL SOLAR OUT/UP D	APPROX. SHIPPING WEIGHT (LBS)
SUN-65	65	4500	21	1	16	60-1/4	22	59-1/4	20-1/2	7-1/2	152

All dimension in inches.

*Limited warranty on tank and parts. See written warranty supplied with the water heater for complete details.

** All solar loop and domestic water connections are 3/4" NPT. Top solar loop and domestic water connections are male NPT with factory-installed dielectric pipe nipples. Side solar loop connections are female NPT and are plugged from the factory.



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 A. O. Smith Model _____ as manufactured by A. O. Smith 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.