



SUN EARTH

THE SE SERIES

SOLAR STORAGE TANK SPECIFICATION SHEET

Applications



Solar Water Heating

Brass Nipples

4.5 kW Backup Element

Plugged Side Port

Internal Temp Sensor Wire

Plugged Side Port



Features:

SE Solar Storage Tanks:

Heating Element:	4500 Watt
Tank Construction:	Glass-Lined Steel
Anode Rod:	Single Magnesium for 65 & 80 gallon Double Magnesium for 119 gallon
Insulation:	2" Environmentally-Friendly Non-CFC Foam
Compliance:	UL/cUL Listed to UL-174 CAN/CSA-C22.2 No. 110-M90
Max Operating Pressure:	150 psi
12 Year Tank Features:	Two Magnesium Anode Rod Incoloy® Elements

Available Connections

- Top and Side connection for both direct and indirect systems using an external heat exchanger. Pre-Installed $\frac{3}{4}$ " NPT Lead-Free Brass nipples for top connections.

CSA Certified and ASME Rated T&P Relief Valve Durable Tamper-Resistant Brass Drain Valve

General:

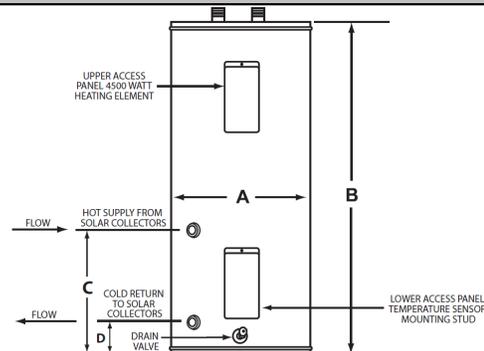
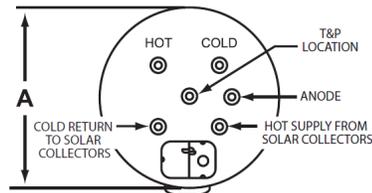
SunEarth's Premium SE Series direct solar water heaters are designed for installation as a part of a direct (open loop) solar water heating system or for use with external heat exchangers in closed loop systems. Available in 65, 80 and 119-gallon capacities, these models provide storage for the hot water produced by the solar collectors and a supplementary electric heating element that maintains consistent water temperature during periods when solar energy is not available. Available in 6/6 or 12/12 Year Limited Tank and Parts Warranty.

Technical Specification:

SE Solar Storage Tanks:

Model Number	Capacity Gallon	Number of Heating Elements	Element Wattage (240 V)	Gallons Above Heating Element	Recovery Gallon Per Hour (90° F Rise)	Insulation R Value	Height Water Connection	Jacket Diameter A	Height Top of Tank B	Optional Solar In/Down C	Optional Solar Out/Up D	Approximate Shipping Weight
SE65-6*	65	1	4500	18.5	21	16	60- $\frac{1}{4}$	22	59- $\frac{1}{4}$	20- $\frac{1}{2}$	7- $\frac{1}{2}$	152
SE80-6*	80	1	4500	22.5	21	16	60- $\frac{1}{4}$	24	59- $\frac{1}{4}$	20- $\frac{1}{2}$	7- $\frac{1}{2}$	191
SE120-6*	119	1	4500	27.8	21	16	62	28	61- $\frac{1}{2}$	20- $\frac{1}{2}$	7- $\frac{1}{2}$	278

* For 12 year tank and parts warranty models-change the last digit (6) of model to 12.
Recovery based on heating element performance.
All dimensions are in inches.
All solar loops and domestic water connections are $\frac{3}{4}$ " NPT. Top solar loop and domestic water connections are male NPT with factory-installed brass pipe nipples. Side solar loop connections are female NPT and are plugged from the factory.



Due to SunEarth's policy of continuous product improvement, specifications are subject to change without notice.



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