



Applications



Solar Water Heating



4.5 kW Backup Element

1" NPT Solar Return

Internal Temp Sensor Wire

1" NPT Solar Supply

Features:

HX Solar Storage Tanks:	
Heating Element:	4500 Watt
Tank Construction:	Glass-Lined Steel
Anode Rod:	1" Primary and Secondary Magnesium Rod
Insulation:	2" Environmentally-Friendly Non-CFC Foam
Max Operation Pressure:	150 psi
Compliance:	UL/cUL Listed to UL-174 CAN/CSA-C22.2 No. 110-M90
Diffuser Dip Tube:	PEX Cross-Linked Polymer
Internal Heat Exchanger:	Single Wall Steel, Designed for Propylene Glycol heat transfer fluid.

Available Connections

- 1" NPT Solar Loop Inlet and Outlet. Includes 1"x³/₄" bushing for ³/₄" Solar Loop Connections.

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

General:

SunEarth's HX Series solar storage tanks are designed for installation as part of an indirect solar water heating system. These models provide storage for the hot water produced by the solar collectors and supplementary electric heating element that maintains consistent water temperature during periods when solar energy is not available.

Technical Specification:

HX 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)	Foam Thickness (Inch)	Height Water Connection	Jacket Diameter (A)	Height Top of Tank (B)	Solar In (C)	Solar Out (D)	Approximate Shipping Weight
SE80HX-6	76	1	4500	40	21	2	64- ¹ / ₂	24	63- ¹ / ₄	30- ¹ / ₈	5- ³ / ₈	257
SE120HX-6	108	1	4500	60	21	2	64- ¹ / ₂	28	63- ¹ / ₄	26- ¹ / ₂	5- ³ / ₈	365

All dimensions are in inches. | Recovery Capacity based on heating element performance. | Working Pressure = 150 PSI

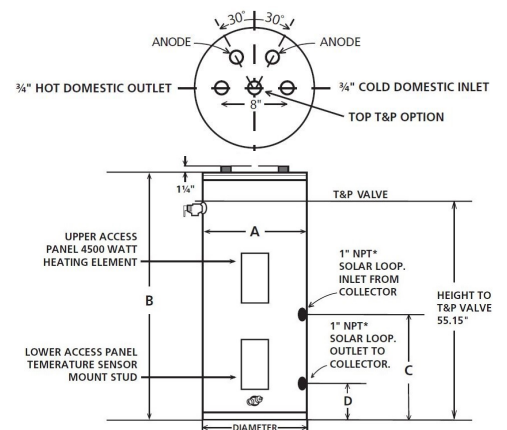
Internal Heat Exchanger Data:

Model Number	Tube I.D. (Inches)	Total Surface Area (ft ²)	Coil Capacity (Gallon)	Tube Length (Ft)
SE80HX-6	1.3	16	2.8	40.8
SE120HX-6	1.55	18.8	4	41

Heat Exchanger must only be used with a propylene glycol heat transfer fluid containing corrosion inhibitors such as Dowfrost™
Working Pressure = 150 PSI

Pressure drop through coil: (Feet of H₂O)

Flow Rate (GPM)	Head Loss (FEET)	
	SE80HX-6	SE120HX-6
2	0.1	0.05
4	0.3	0.15
6	0.5	0.25



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

