



SUNWATER
 SunEarth Incorporated Fontana, California www.sunearthinc.com



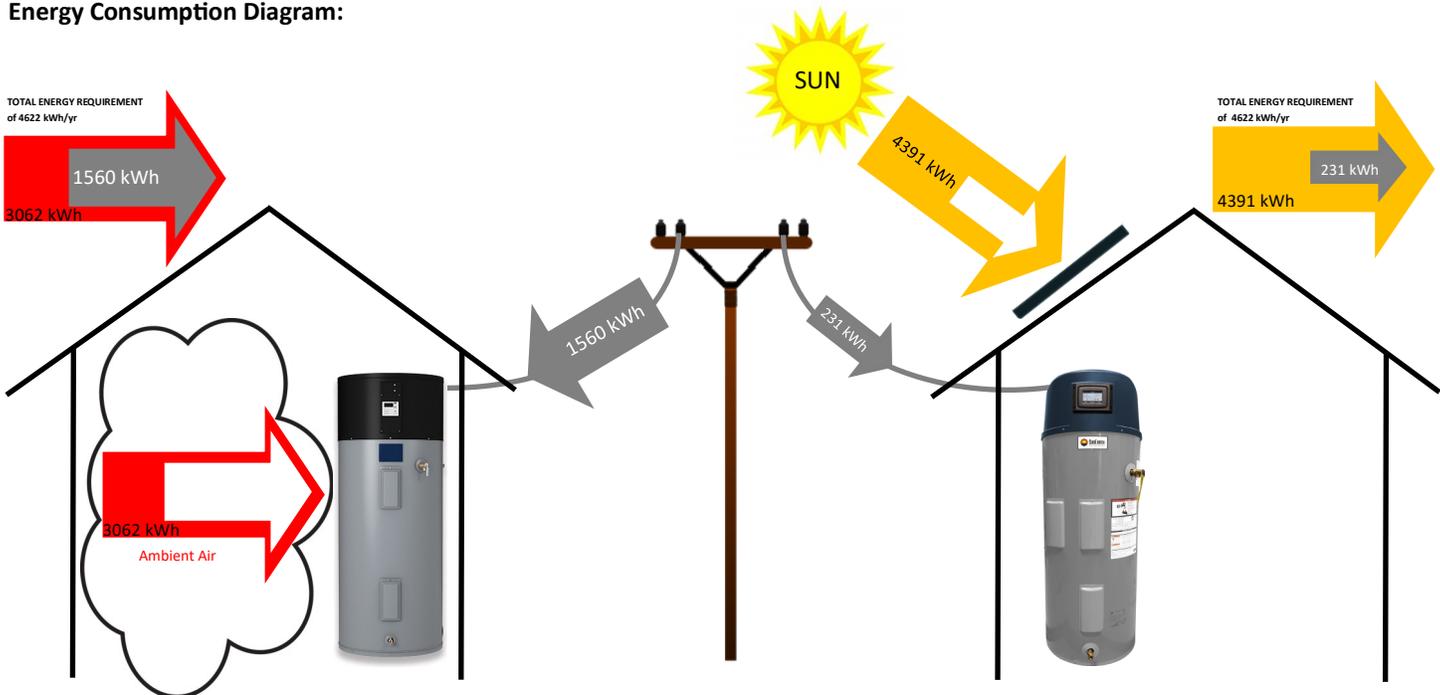
Solar Electric

SunWater vs. HPWH

SunWater PV water heater is the newest addition to SunEarth’s range of solar water heating solutions, utilizing Photovoltaic modules to provide power to two heating elements, the SunWater is the perfect solution for various occupancy residences, vacation homes or primary water heater for single family residence.

System Type	SunWater	Heat-Pump WH
Source of Heat:	Sun	Ambient Air
Primary Energy Source:	Solar Energy	Electrical Grid
Back-Up Energy Source:	Electrical Grid	Electrical Grid
Possibility of increasing HVAC requirements if installed indoors	No	Yes
Ability to provide free hot water	Yes	No
Minimum Space for Installation	16 ft ³	1000 ft ³
Modes of Operation	4 (Energy Saving, Vacation, Standard & Convenience)	1 (on/off)
Maintenance	No Moving Parts Low Maintenance	Many Moving Parts High Maintenance
Noise Level	< 10 dB	> 40 dB
Cost of operation (4622 kWh annual consumption Electricity rate: 0.30 \$/kWh)	69 \$	462 \$
SRCC ICC Certified	Yes	No
RENEWABLE Energy Federal Tax Credit	30%	0%
Minimum Operating Temperature	> 40° F	> 0° F

Energy Consumption Diagram:



Heat Pump Water Heating Energy Sources

Solar PV Water Heating Energy Sources

* Based on ENERGY STAR® average household annual water heating energy consumption of 4622 kWh/year.

** Heat Pump COP Shown as industry average of 3.0

*** SunWater COP Shown as industry average of 20.0

Protecting Our Environment – Since 1978
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