



Product Description

Solar Hot Water System



Key Features

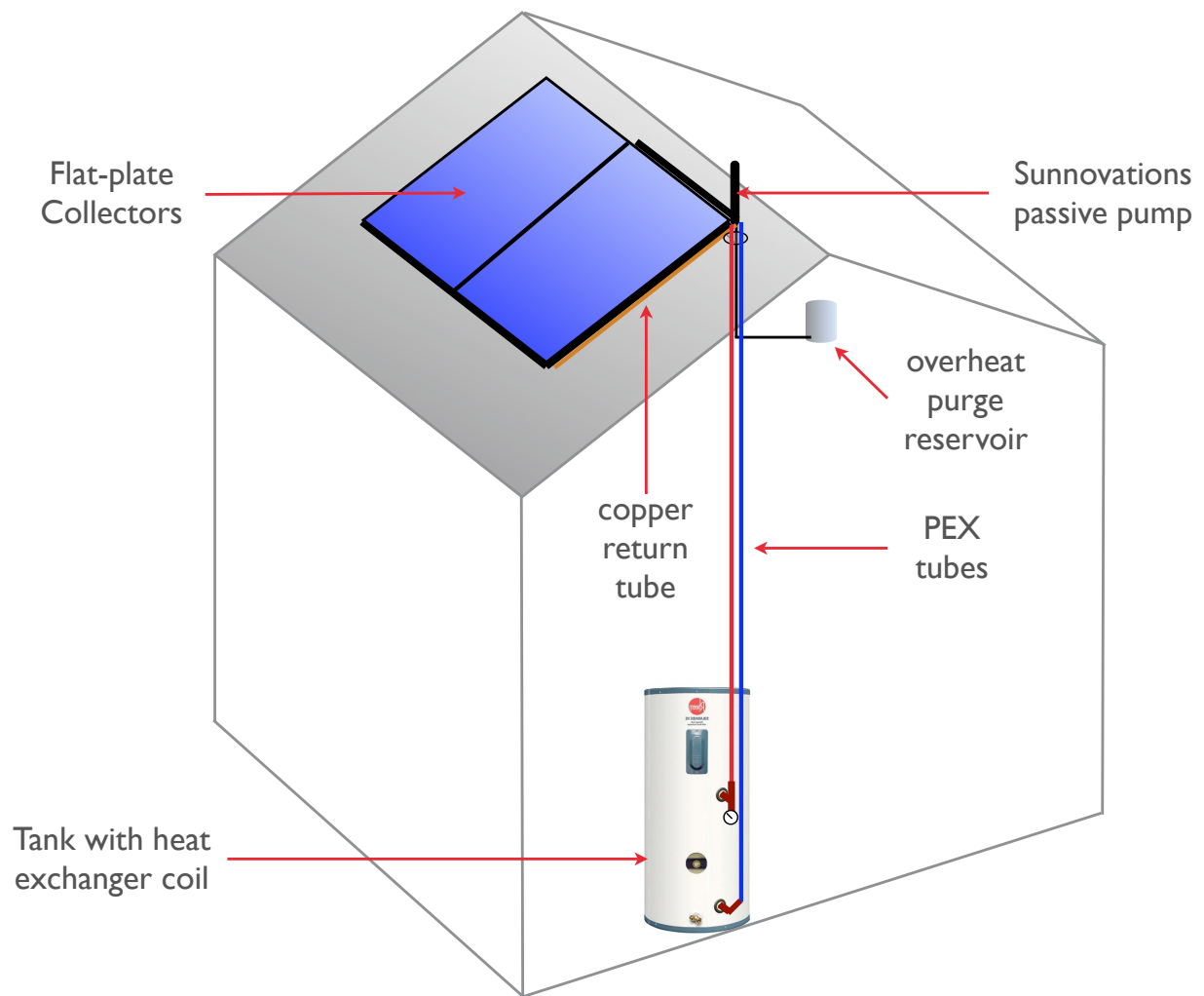
- Simplest and most cost effective Solar Hot Water system
- Unique passive geyser pump*
Variable (adaptive) flow rate - works without electricity
- Produces 50-80% of annual water heating needs
- "First time right" installation
Single-day installation with no electrical work or soldering
- Minimum components, flexible PEX tubing
- Highest reliability - no electrical or mechanical components
- Non-pressurized system offers very safe operation
- Protected against overheating, no risk for glycol breakdown
- Freeze protected to -22 F, works throughout North America
- Totally quiet operation
- Maintenance free
- Made in USA

* Patent pending

System Components & Technical Specifications

- 1 - 3 SRCC certified glazed flat plate collectors with mounting kits; standard: 4' x 8', optional: 3' x 6' to 4' x 10'.
First quality brand collector choices: AET, Gobi, SolarHotUSA, SunEarth, Radco.
- 1 Rheem Solaraide HE storage tank with integrated heat exchanger; 80 or 120 Gallon.
- 1 Sunnovations solid state passive pump unit with roof flashing integrated, full copper tubing, no mechanical components.
Connects directly to pex tubing using 3/4" brass compression fittings and to the collector using 1" union fittings.
Glycol overheat protection system purges fluid from collectors into external 5 gallon reservoir.
- 100 ft x 3/4" PEX tubing; High quality pex-a tubing, HePex Plus with oxygen barrier. 1" foam tube insulation.
Optional: standard 5/8" copper tubing can also be used if preferred. Recommend pipe run length: 50 ft; max 100 ft each leg.
- 2 Pex-to-tank brass/copper adapters; 3/4" MPT fittings for tank ports, 3/4" brass compression fittings to PEX.
Includes pressure gauge and solar loop drain ball-valve. Optional: tank-top temperature solar production gauge.
- Heat transfer fluid: non-toxic, food-safe, 45% Propylene-glycol, 45% distilled water, 10% denatured ethanol, no additives.

System Diagram



SRCC OG300 system certification pending

Contact Information

Sunnovations
1614 Barnstead Dr
Reston, VA 20194
Tel: 202 271 0925
info@sunnovations.com
www.sunnovations.com

