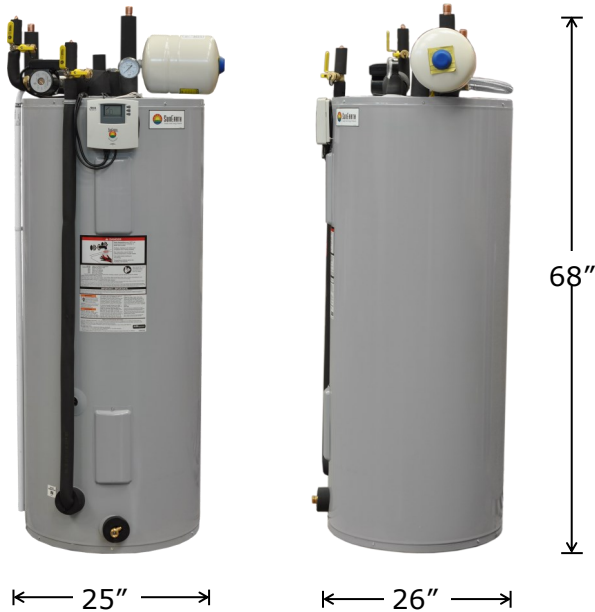


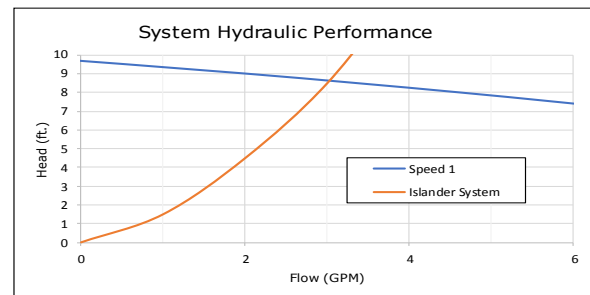
Dimensions and Technical Specifications



System	
Maximum Collector Area ¹	96 ft ²
Maximum Building Height ²	30 ft
Minimum City Water Pressure	55 psi
Maximum Potable Plumbing Diameter	0.75 in
Solar Electrical	
Maximum Power Input	100 Watts
Input voltage	115 V
Backup Heating Element Electrical	
Maximum Power Input	4500 Watts
Input voltage	240 V

¹Collectors plumbed in parallel.

²Based on 30 feet of piping to the collectors.



Innovative installation practices go hand in hand with innovative products and the Islander, SunEarth's most recent addition to its hot water station lineup is nothing short of innovative. The Islander is performance, longevity, and ease of installation that's guaranteed to satisfy the professional installer.

Features and Components

Pump

Wet-rotor type whereas the pump and motor form an integral unit without shaft seals. Utilizes a stainless-steel impeller/volute with integrated check valve ideal for direct solar heating systems.

Storage Tank with Backup Heating Element

Glass lined and pressure rated the tank uses R-17 insulation and painted metal jacket. Includes a 4500 Watt heating element as a back-up for confidence in hot water availability. The storage tank is protected by a 150 psi/210°F relief valve and aluminum sacrificial anode.

Controller

Operates the pump through differential temperature algorithms, the Liquid Crystal Display (LCD) offers insight into the system operation and condition. The controller reports temperature readings from 3 distinct locations; (T1) collector, (T2) bottom of storage tank and (T3) top of storage tank.

Thermal Expansion Tank

Ensures consistent pressure throughout the wide operational temperature range. The NSF Standard 61 rated potable tank has a total volume of 2.1 gallons and an operational limit of 150 psi/200°F.

Mixing Valve

Distributes controlled temperature water by incorporating a fast acting, high quality thermostatic element. Factory set to 120°F the mixing valve allows higher storage temperatures saving more energy and reducing the chances of Legionella bacterial growth in the water. Valve can be adjusted between 90°F and 130°F.

Service Valves

Comprised of lead free ball drain valves that eliminate 3 leak paths, service valves allow for trouble-free flushing, draining and filling of the solar loop.

Relief Valve Drain Tubes

Constructed from High Temperature Polypropylene with a rating of 105kBtu/hr.

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