

6-Year Limited Tank/ 10-Year Limited Solar Collector Warranty/2-Year Controls Warranty*

The Solar Electric Packaged System from American is the latest advancement in solar water heating. With the solar water heating system, American provides everything under the sun needed for a comprehensive solar installation, allowing for quick and easy specification and installation. Properly sized solar water heating systems can provide up to 70% of the energy needed for water heating directly from the sun.

The system comes complete with tank, pump station, solar collectors, automatic air vent, mounting hardware for shingled roof, roof flashing, thermostatic mixing valves, expansion tank with mounting kit, tank and collector temperature sensors (includes 75 ft. lead wire), and propylene glycol (Dow Frost™). Copper plumbing and pipe insulation not included.

FEATURES

Solar Pump Station

- 20" tall x 10" wide x 5" deep, 120v wall mounted with Integrated Controls - includes pump, controller, isolation valves, fill and drain valves, check valves, temperature gauges, pressure gauge, solar loop pressure relief valve, flow meter, and air stripper - all in an enclosed, insulated assembly.
- SRCC Certified for OG-100 (with OG-300 pending) - required for most federal, state and local rebate programs.
- 2.5 to 4.0 Solar Energy Factor (SEF) Ratings (based on 80 gallon tank / 2 panel configuration).

Solar Collectors

- Glazed plate solar collectors with selective paint absorber coating, black aluminum frame, utilizes copper tube with aluminum absorber, tempered glass cover.

Collector Hardware Package

- A complete kit for mounting solar collectors – for flat mount shingled roof (additional options for varying roof styles are available as accessories).

Storage Tank Features

- Diffuser dip tube helps reduce sediment buildup for maximum efficiency.
- Factory-installed, CSA certified and ASME rated T&P relief valve.

OPTIONS

- Choice of tank size (80 or 119 gallons), choice of 2 or 3 solar collectors, choice of single or double wall heat exchange solution (applications may be determined by local code).



Model shown
SSY62-80H-ACE2



ENERGY STAR® qualified

Eligible for Tax Credit:
Through 2016, these units are eligible
for a Federal Tax Credit of 30% of
the total installation cost.



Proudly partnered with Chromagen to provide
solar thermal collectors.

*For complete warranty information consult the written warranty of American Water Heaters found at www.americanwaterheater.com, or call (800) 456-9805.

SYSTEM INFO					
SYSTEM MODEL NUMBER	Solar Booster Tank Model (Included)	STORAGE CAPACITY	HEAT EXCHANGER	SOLAR ENERGY FACTOR*	NUMBER OF SOLAR COLLECTORS
SSX62-80H-ACI2	SSX62-80H-045S	76	Internal, Single wall	2.5	2
SSX62-80H-ACI3	SSX62-80H-045S	76	Internal, Single wall	3.0	3
SSX62-119R-ACI2	SSX62-119R-045S	108	Internal, Single wall	3.0	2
SSX62-119R-ACI3	SSX62-119R-045S	108	Internal, Single wall	4.0	3
SSY62-80H-ACE2	SSY62-80H-045S	80	External Double Wall	2.5	2
SSY62-80H-ACE3	SSY62-80H-045S	80	External Double Wall	3.0	3
SSY62-119R-ACE2	SSY62-119R-045S	120	External Double Wall	3.0	2
SSY62-119R-ACE3	SSY62-119R-045S	120	External Double Wall	4.0	3

*Projected value

A single 4500 watt / 240 volt backup element included on all models.



SOLAR COLLECTOR DATA	
Absorber Coating	Black Paint
Width (inches)	42 1/2
Length (inches)	86 1/4
Depth (inches)	3 1/2
Area - Gross (sq. ft)	25.46
Dry Weight (lbs)	84
Fluid Capacity (US gal)	0.9
Design Flow Rate (gpm ea.)	0.67
Max Operating Pressure	150
Weight (lbs) ea	90

WEIGHT OF COMPLETE PARTS PACKAGE SYSTEM			
2-Solar Collector System			
Description	Qty	Weight	Ext. Weight (lbs)
Solar Collectors	2	90	180
Dowfrost-5-gallon	2	47	94
Pump Station	1	23	23
Common Parts Box	1	12	12
Misc. Parts Box	1	12.5	12.5
Pipe Insulation	2	0.5	1
*Shipping Crate	2	150	150
		Total	472.5
3-Solar Collector System			
Description	Qty	Weight	Ext. Weight (lbs)
Solar Collectors	3	90	270
Dowfrost-5-gallon	2	47	94
Pump Station	1	23	23
Common Parts Box	1	12	12
Misc. Parts Box	1	13.5	13.5
Pipe Insulation	2	0.5	1
*Shipping Crate	2	150	150
		Total	563.5

*Approx. Weight

Codes and Standards

- Complies with current editions of: UL Standard for Household Electric Storage Tank Water Heaters, UL 174; Canadian Standard for Construction and Test of Electric Storage-Tank Water Heaters, CAN/CSA-C22.2 No. 110-M90; Packaged Solar Domestic Hot Water Systems (Liquid-to-Liquid Heat Transfer) For All-Season Use, F379.1-09; Packaged Solar Domestic Hot Water Systems for Seasonal Use, F379.2-09 and ICC Codes and HUD Standards.

Distributed By:

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Warranty and Service

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