

SMARTSOLAR

Solar Assisted Heat Pump Water Heater

These “split” heat pump water heaters are engineered to harness energy 24 hours a day, 365 days a year. Unlike solar panels, thermodynamic panels can harvest energy from sunlight or from outdoor air.

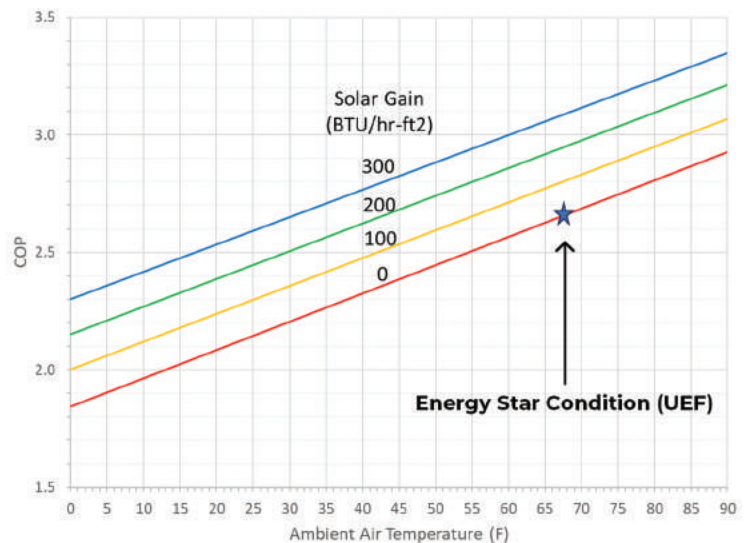


What Is Solar Assisted Hot Water?

A solar assisted heat pump water heater is an ultra efficient, ‘all electric’ water heater that harvests heat energy from the outdoors.

These units use a small, light weight, Aluminum panel attached to an outside wall to gather energy from the sun and from the ambient air to heat hot water. The technology is not new (there are 10’s of thousands in Europe and Australia), but the Smart Solar water heater has been adapted to accommodate both the colder weather and the larger household hot water usage in North America.

Heating COP
R134A, 120 F Tank



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SmartSolarWaterHeater.com

SPECIFICATIONS

OUTDOOR EVAPORATOR PANEL (ALUMINUM)

Dimensions (width/height/depth, inches)	29/76/75
Weight (lbs)	12
Warranty	lifetime

STORAGE TANK (GLASS LINED W/ POWERED ANODE)

65 gallon dimensions (diameter/height, inches)	23.3/63.25
80 gallon dimensions (diameter/height, inches)	24/63.25
120 gallon dimensions (diameter/height, inches)	28/63.25

HEAT PUMP UNIT (WALL MOUNTED, INTERIOR)

Dimensions (width/height/depth, inches)	24/12/12
Weight (lbs)	71
Electrical requirements	120VAC, 6.5 amps
Refridgerant	R134A
Sound rating	41db
Output capacity (weather dependent)	2000 to 8700 BTUs/hr
UEF	2.6 to 2.8
COP range (weather dependent)	2.0 to 3.4
Max water temperature	150f

APPROVALS

Whole system	Energy Star UL 1995
Evaporator panel	SRCC (USA) Solar Keymark (EU)

WARRANTY

Heat pump and storage tank	10 yrs
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FIRST HOUR DELIVERY	STORAGE TANK SIZE		
	65	85	120
Heat pump only (120V)/with mix valve	48/57	59/70	80/94
Heat pump and back up element (120V)/with mix valve	63/74	74/87	97/114
Heat pump and back up element (240V)/with mix valve	79/93	90/106	115/136

TESTING AND CERTIFICATION PARTNERS

