

Heat Pump Water Heaters

A Good Fit with Solar PV

You're in the business of helping customers get the most from their solar PV systems. When planning a PV installation, be sure to educate your customers about the benefits of putting in a heat pump water heater at the same time.

Why Heat Pump Water Heaters?

Heat pump water heaters are highly energy efficient. Homeowners who switch from a conventional natural gas water heater to an electric heat pump water heater can:

- Save energy and money
- Reduce air pollution
- Reduce carbon emissions that contribute to climate change

When you're walking your customers through a PV system estimate, give them the option of sizing it to cover a HPWH's electrical load.

A heat pump water heater in a typical household uses about 1,000 kWh per year, according to the Sacramento Municipal Utility District.

Plan ahead to save time & money

Right now, many customers can take advantage of big rebates on residential HPWH installations. Even if your customer isn't ready to make the switch today, it may make sense for them to plan for a future HPWH installation.

Let them know it can be easier and more economical to install a larger PV system now rather than expand later to cover the HPHW load. And they may reduce overall installation costs if they have a HPWH and solar PV system installed at the same time.

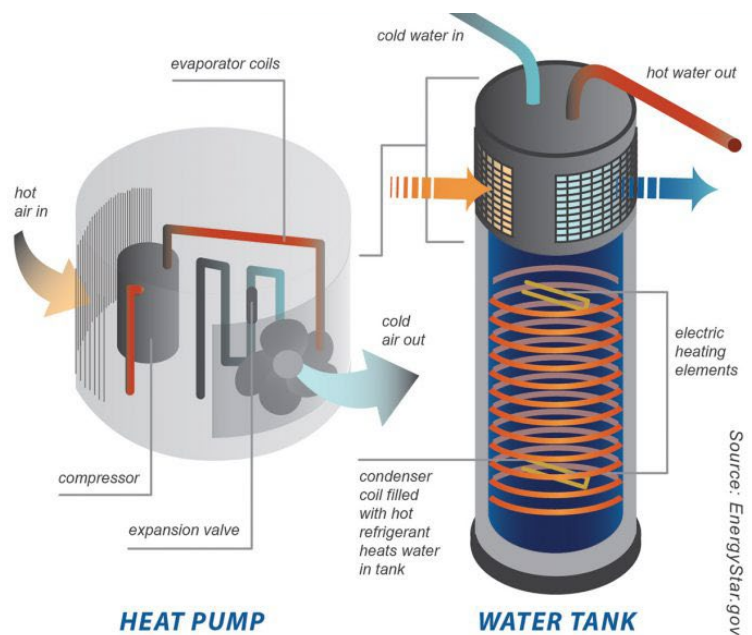


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What is a heat pump water heater?

A heat pump water heater works like a refrigerator but in reverse.

A refrigerator uses electricity, refrigerant and a compressor to move heat from inside the refrigerator to the outside air. A heat pump water heater takes heat from the surrounding air and transfers it to the water in the tank.



Frequently asked questions:

What do heat pump water heaters cost?

They cost more than gas or conventional electric water heaters, but the energy savings can make up for the initial cost difference. Installation costs may include an upgrade to the electrical service panel. Planning for the PV and HPWH installations at the same time helps bring down the overall cost of the electrical work.

Is installation difficult?

No, but not all contractors have HPWH experience. Your customer should use one who does, and one who is enrolled in the rebate programs listed below.

Are there rebates for heat pump water heaters?

Yes! Rebates are currently available to homeowners all across the region. See this list for more information: <https://www.bayren.org/incentives>



For rebates and additional details on heat pump water heaters, visit: www.bayren.org/water-heaters