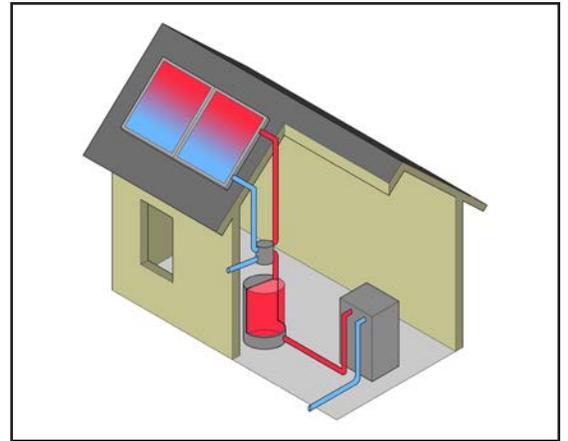


# How A Solar Hot Water System Works

## Solar Hot Water

Solar hot water systems consist of three major components: the solar collectors(panels), a storage tank, and a circulation system. Most systems circulate a non-toxic antifreeze mixture to heat the water in the storage tank, which is plumbed to the solar storage tank. This tank, which is usually slightly larger than that of a traditional water heater, stores the solar heated water and supplies it to your existing water heater..



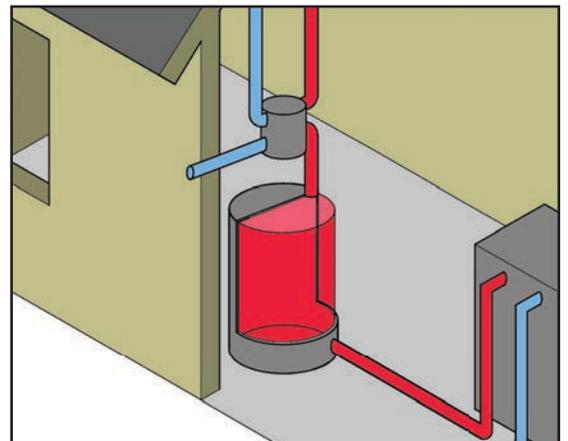
## Step 1

When the sun shines on the collectors, the fluid absorbs the solar energy and becomes hot. A pump then circulates the heated fluid through insulated pipes which connect the collectors to a liquid-to-liquid heat exchanger



## Step 2

Water is brought into the house from the city system and is sent to the heat exchanger where it comes into contact with the pipes containing the heated fluid from the solar panels. The heated water is then sent to the solar storage tank. This tank, which is usually slightly larger than that of a traditional water heater, stores the solar heated water and supplies it to your existing water heater..



## Step 3

The stored hot water can then be used for bathing, washing clothes, or to wash dishes all for free thanks to the solar hot water system.

