Article published on December 3rd 2011 | Business

The regular water heater in most Australian households has now been replaced by the solar hot water heater. There are numerous advantages of using heaters powered by the sun.

Operation Mechanism

A solar heater is primarily a unit of solar collectors and storage tanks. The working process of these heaters is quite uncomplicated. The solar panels are installed on the roofs of the homes which accumulate the heat from the sun and transfer it to the pipes holding water and provide heat energy in the process. The heated water is then stored in the storage tanks.

Types:

There are mainly two types of solar water heaters -the active water heaters and the passive water heaters. Any of these can be used in hazardous climate including freezing temperatures. These heaters use fluids and pipes to heat the water. The passive heaters are also known as Integral Collector Storage Heaters. The storage tank is also painted black so as to completely absorb the heat of the sun rays. The heated water is then pumped through pipes into homes.

Before choosing a solar heater it is important to understand the basic functions of the heater and which type of heater is appropriate for your home. The geographical location should is an important parameter to consider prior to installing a water heater. The choice of solar panels must be made according to the size of your home.

A solar water heater can be easily purchased through various online stores which offer good service at affordable rates. Select the right water heater that suits the climatic conditions and your budget. Though the one time investment of a solar heater is quite huge, it is much more affordable compared to traditional electric and gas heaters.

Basic Advantages

â€¢ In comparison to the conventional heaters, these heaters are much more cost efficient as they utilise natural resources for heating purpose. Most homeowners are able to save on the cost of electricity and gas charges.

â€¢ Solar hot water heaters can be used to heat water in homes where there is shortage of electricity and gas supply.

â€¢ Perhaps the greatest benefit of using these heaters is that it is extremely environment friendly.

â€¢ Unlike conventional heaters, these heaters are more robust and last longer.

Proper maintenance is required to ensure competent performance of these heaters. Always choose to have a professional to install the heaters in your home. Passive systems require less maintenance whereas the active systems require maintenance for proper and smooth functioning. Due to its effectiveness and dependability, the solar water heater is gaining popularity amongst homeowners all over the world.

Article Source:
http://www.articleside.com/business-articles/a-complete-guide-to-solar-hot-water-heaters.htm - Article Side

Canberra Marketing - About Author:
Looking for a solar hot water Adelaide or solar water heater? Contact our expert for more information about these as well as for information on a hot water rebates.

Article Keywords:
solar hot water Adelaide, solar water heater, hot water rebates

You can find more free articles on Article Side. Sign up today and share your knowledge to the community! It is completely FREE!