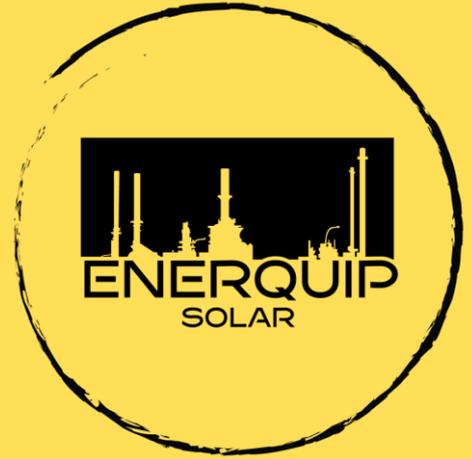


HOW SOLAR GEYSER WORKS



Solar Water heater includes two main components.

1. Evacuated Tube: Absorbs solar energy and converts it to usable heat. A vacuum between the two glass layers insulates against heat loss. Within each solar evacuated tube, 3 systems are used to ensure the most effective heat absorption. This included a AL-N/Al (aluminum nitrate) layer but also a second aluminum layer as well as a third copper layer. The added layers conduct heat better and also stabilize the coating allowing for a much longer lifespan of 20 year or greater.
2. Water Tank: Consists of 3 layers;
 1. Inner Tank: made up of stainless steel
 2. A 60 mm Poly Urethane gun filled insulation.
 3. Outer Tank: made up of painted steel.

Water tank stores & retains water temperature overnight

A home solar water heater is a very simple and maintenance free way to immediately reduce your monthly energy cost. In a solar water heater, cold water flows into the bottom of the solar vacuum tubes & convection drives the movement of the water around the system. When the water gets heated through vacuum tubes, it rises to the top of the tank. The colder water falls back down the evacuated tube where the process can start again. The evacuated tubes are very efficient at trapping heat from the sun and transferring it to the water.

A Digital Controller electronically controls electric element & Water pump by intelligently monitoring water level and water temperature. It has three working modes i) Manual ii) Timing & iii) Intelligence

Manual Mode: the device will neither automatically start water filling nor automatically start heating. On the basis of need, the user can press buttons to open or cancel water filling or heating. Timing Mode: Users can set three times for motor or valve controller water filling and three times for electric heating. Intelligent Mode: In this mode, controllers intelligently controls water inlet and electric heater.