

How EnCom's Solar Hot Water Works

- 1 Evacuated tube, solar collectors modules absorb sunlight and convert it to heat.
- 2 Heat is transferred to the solar fluid housed in the copper pipes within the solar collector tubes
- 3 The solar fluid is returned to the heat exchanger at the top of the solar module.
- 4 The heat is transferred to the water, which circulates naturally to the top of the module.
- 5 Solar heated water is stored in the storage tank until water is drawn.
- 6 The auxiliary heater increases the temperature of the solar heated water, if necessary.
- 7 The energy required to heat water is significantly less when water is preheated by the solar collectors.
- 8 Water is circulated between the collector and the tank powered by a 300-watt pump or with a small photovoltaic panel.

Domestic hot water can be the highest energy cost in the typical home. With Solar Hot Water by EnCom Group, your domestic hot water energy cost can be reduced by as much as 75%. The Ruby Solar Hot Water System is the state-of-the-art solar water heating appliance. It is environmentally friendly and very affordable.

