

SolaStat-Plus-2 HWC Control Flow Chart.

The SolaStat-Plus-2 with HWC output takes full control of the hot water tank electric element for greater energy efficiency yet maintains hot water comfort and safety levels.

Example of Holdoff, Reheat and BioSafe Mode.

Holdoff Timer = 4hours. Reheat Lower = 40C. Reheat Upper = 55C. BioSafe = 60C.

Note. All the values are adjustable or can be disabled. Refer SolaStat-Plus Installation Guide for more detailed information.

The BioSafe ensures the Tank reaches 60C approximately every 24hours either from Solar Hot Water or from the electric element turning ON.

From the **last** pump operation, the electric element will be OFF for approximately 4hours (each time the pump operates the Holdoff Timer Resets to 0hours and starts counting up to 4hours), unless the Tank falls to 40C and then the electric element turns ON. When the Tank reaches 55C the electric element turns OFF.

After 4hours has elapsed from the **last** pump operation, the Reheat Upper acts as a Thermostat for the Tank. When the Tank reaches 55C the electric element turns OFF and when the Tank falls to 50C the electric element turns ON. (Note this function has a 5C Hysteresis similar to an Electromechanical Thermostat.)

