



### Operation:

The thermostat senses the temperature of the air within the generator enclosure.

When the thermostat senses a temperature below the set point (~110 deg F), and the generator is not running, the solar fan is activated.

The solar fan moves solar heated air from the solar tile air plenum through the enclosure, with the hottest air targeted toward exposed jacket water lines.

Warm air from the enclosure is drawn back into the solar fan to be recycled back to the solar thermal tile system.

The existing electric resistance jacket water heater, only operates to raise the jacket water temperature from ~110 deg F to a setpoint temperature of about ~130 deg F.

When the solar fan is disengaged, the electric resistance heater handles the full heating load.

Optional thermal storage can provide night time and cloudy day heating.