TYPE 539: FLAT PLATE COLLECTOR WITH CAPACITANCE, VS PUMP AND EFF = *f* (TIN)

General Description

This component models a flat plate solar collector which considers capacitance effects and includes an option for a variable speed pump to keep the outlet temperature at a user-defined value if possible. The collector performance equation is based on the difference between inlet fluid temperature and ambient temperature.

Nomenclature

Detailed Description

The detailed mathematical description of this component was not completed in time for the initial release of the TESS Libraries. Please contact your distributor to find out whether the full technical documentation is available. Alternatively, you can contact us directly at by emailing:

tessinc@tess-inc.com.