TRNSYS 16

a TRaNsient SYstem Simulation program

Volume A2

TESS Libraries



Solar Energy Laboratory, Univ. of Wisconsin-Madison
http://sel.me.wisc.edu/trnsys

TRANSSOLAR Energietechnik GmbH
http://www.transsolar.com

CSTB – Centre Scientifique et Technique du Bâtiment
http://software.cstb.fr

TESS – Thermal Energy Systems Specialists
http://www.tess-inc.com

Thank You! We sincerely appreciate your purchase of the TESS Component Libraries for TRNSYS *v*16.x and the TRNSYS Simulation Studio. At TESS, we use the TRNSYS and Studio packages every day on projects ranging from small solar domestic hot water applications to mega-scale HVAC retrofits at U.S. military bases. During the past 10 years, we have written over 200 components as a necessary step in simulating these varied projects. By keeping with the TRNSYS tradition of writing component models in the most general format possible, thereby making them also useful in other projects, we have generated a subset of models that we thought would make a great addition to the TRNSYS package. After some clean-up work and extensive testing, we made these models available to the general public first in 2001. The second version, released in late 2004, represents a major upgrade to the original set of six libraries. With version 2.0, new components were added to the original libraries, six brand new libraries were added and the libraries were expanded to not only include TRNSYS Types but also to include Simulation Studio plugins, applications for setting schedules of various kinds, libraries of wall and window data, and technical documentation. We hope that these components will allow you to do the work you do faster and allow you to simulate systems that include models not found in the standard TRNSYS library. As these libraries are constantly expanding, we would appreciate hearing about any comments, problems, or questions you have on the models – it's the quickest and surest way to make them better!

The documentation for these libraries is contained in a series of Portable Document Format (PDF) files located in the .\Trnsys16\Tess Models\Documentation\ Directory. For your convenience, a navigable structure has been created. Please click on the button below to go to the main index.

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