

- Development of medium-sized Micro-grids.

References

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Chapter 5

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AN OVERVIEW OF MODELICA BUILDINGS- ELECTRICAL LIBRARY

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5.1 INTRODUCTION

This chapter will present the environment that can be used for modelling and simulation of building energy and control systems. In the traditional building simulation system, the modelling and analysis of the building system is difficult and time consuming. Here we will discuss an equation based object oriented modelling language which can fulfill all the above mentioned requirements. Modelica is a free open source, equation based object oriented language which is used to model complex heterogeneous systems. In Modelica we have an open source free library named Buildings. This Buildings Library of Modelica provides rapid prototyping and can be used for design, operation and