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Annex I – Software Description

The software called "Software" within the license agreement is developed and distributed as a demo version under the name "SmartCalc.CTM". SmartCalc.CTM is a software with a graphical user interface to calculate and analyze the losses and gains resulting from the integration of solar cells into a photovoltaic module. The cell-to-module (CTM) ratios are calculated for efficiency and power and detailed results are presented. They are structured to show the relation to physical causes, module components and important interfaces within the module. Module components such as solar cells, encapsulation materials or interconnectors etc. can be chosen from a database. Their properties can be changed and the altered materials can be saved. Same applies to the setup of the solar module consisting of these components. The Software is developed by Fraunhofer ISE as a tool to support the development and optimization of photovoltaic modules and is based on empirical and physical models as well as on measurements.