



EXIT-LYON Energy

Iran wind and solar energy storage project



Overview

An hourly resolved model has been designed and developed on the basis of linear optimization of energy system components. This model is based on several constraints and ensures the RE power generation always meet the demand. A main feature of the model is its flexibility and. The main technologies used in the energy system optimization are as follows: 1. technologies for conversion of RE resources into electricity; 2. energy. The financial assumptions for capital expenditures (capex), operating and maintenance expenditures (opex) and lifetimes of all components are provided in. In this study, two scenarios with different energy systems are considered: (1) a country-wide scenario energy system in which RE generation and energy storage. Upper limits are calculated based on land use limitations and the density of capacity. Table 9 shows the upper limits specified for the different technologies in this.



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