

Heat Pump - PV - Battery Application

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Abstract

The transition of the energy supply from fossil fuels to renewable energies also includes changes in the area of heat supply. Typical boiler systems based on natural gas or heating oil can or must be replaced by heat pumps in the long term. In addition, the electricity demand of the heat pump must be obtained from renewable sources. The presented analyses contain a solution approach for determining optimal Heat Pump - PV Unit - Battery System parameters.

Keywords

Heat Pump, PV Unit and Battery.

