

As Italy's energy mix is increasingly composed of variable renewable energy sources, electricity storage will be needed to integrate power generated by renewables into the ...

The Italian energy transition is widely affected by multi-level dynamics. The impact of these dynamics, however, is ambiguous. As in France, direct state intervention in industrial policy (e.g. through ownership and ...

Italy is becoming less dependent on external energy sources, with its energy dependence level improving slightly from 77% to 74%. This year, the country achieved a ...

The aim of this paper is to identify a cost-optimal path for the decarbonisation of the Italian energy system and to assess how renewable cost forecasts may influence the ...

Long-duration energy storage (LDES) is a key resource in enabling zero-emissions electricity grids but its role within different types of grids is not well understood. Using the Switch capacity ...

A Strategic Day-ahead Bidding Strategy and Operation for Battery Energy Storage System by Reinforcement Learning Yi Dong a, Zhen Dong, Tianqiao Zhaob, Zhengtao Dinga, aDepartment of Electrical and Electronic Engineering, the University of Manchester, M13 9PL, Manchester, UK bDepartment of Electrical and Computer engineering, Southern Methodist University, PO Box ...

Research papers Modeling energy storage in long-term capacity expansion energy planning: an analysis of the Italian system Matteo Nicoli a,b,*, Victor Augusto Duraes Faria c, Anderson Rodrigo de ...

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NATIONAL ENERGY STRATEGY - Energy will drive Italy's change. The National Energy Strategy is the ten-year plan that the Italian Government drew up to anticipate and manage the change of the national energy system: a document looking beyond 2030, and laying the groundwork for building an advanced and innovative energy model.

Renewable Energy Report (RER), Electricity Market Report (EMR) and Storage Energy Report (SER) are periodic reports analyzing the evolution of the energy markets in Italy. The analysis ...

Keywords: All-electric ship, EDLC, Energy Management Strategy, Hybrid energy storage system, nonlinear programming * Co responding author. tel: +39-81-7683312 Emai : 1084 F. Balsamo et al. / Energy Procedia 126 (2017) 1083âEUR"1090 2 Author name / Energy Procedia 00 (2017) 000âEUR"000 1. Introduction As a result of the environmental ...

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