

The construction of highway microgrids is evolving into a new highway energy system that integrates "Source-Network-Load-Storage". This paper provides a comprehensive evaluation of expressway microgrids from ...

With the increasing use of electric vehicles (EVs), EVs will be widely connected to the microgrid in the future. However, the influence of the disorderly charging behavior of ...

It is critical for the rational planning of the micro-grid and developing a scientific evaluation indicator is an effective way to test the rational test. Research on the functional ...

The economies of the scale factor is 0.9, which means although savings can still be enjoyed, the effect of economies of scale is weak. The net present value calculation reveals that investment ...

DOI: 10.1016/J.ENERGY.2013.10.039 Corpus ID: 110952100; A mathematical model for the optimal operation of the University of Genoa Smart Polygeneration Microgrid: Evaluation of ...

The index is a comprehensive indicator reflecting the level and effect of energy consumption and utilization, that is, the degree of effective utilization of energy, as shown in ...

DOI: 10.1109/ISGTEurope.2017.8260322 Corpus ID: 33587735; Smart microgrid monitoring: Evaluation of key performance indicators for a PV plant connected to a LV microgrid ...

When compared to different evaluation methods for microgrid planning schemes, our method yields the highest score of 0.9127, indicating superior results. This approach is suitable for the multicomponent evaluation ...

Incorrect responses from protective devices weaken the reliability of microgrids. This paper investigates the effects of the protection system on the reliability performance of a ...

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