

Rapid Advancement of the Energy Internet



Overview

In this paper, a holistic review of the energy Internet evolution in terms of the architecture, types of ERs, and the benefits and challenges of its implementation is presented. An exhaustive summary of the designs and architectures of the different types of ERs is also presented. School of Engineering and Technology, Sunway University, Bandar Sunway, Petaling Jaya 47500, Malaysia; Institute of Sustainable Energy, Universiti Tenaga Nasional, Kajang 43000, Malaysia; School of Electrical Engineering, Korea University, Seongbuk-Gu, Seoul 136-701, Korea; Corresponding author at: Energy Internet is a concept proposed to harness, control, and manage energy resources effectively, with the help of information and communication technology. It improves a reliability of the system, and provides an increased utilization of energy resources by integrating the smart grid with the. This article deals with a thorough investigation of the energy internet towards future emerging technologies for energy distribution and management to solve existing limitations and enhance the performance of future sustainable energy.

Rapid Advancement of the Energy Internet



The use of the IoT devices, such as the smart sensors and communication technologies in the energy industry, is to create the Internet of Energy to manage energy generation and energy resources.



Energy Internet has caught an attention of the global academic community, and it is being implemented actively. This paper describes the basic features and the



In this paper, we propose the redefinition of EI, based on a comprehensive literature review, some latest trends and driving forces in the global energy industry, as well as its ...



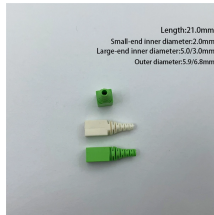
Article "Recent advancement of energy internet for emerging energy management technologies: Key features, potential applications, methods and open issues" Detailed information of the J-GLOBAL is ...



Abstract Energy Internet is a concept proposed to harness, control, and manage energy resources effectively, with the help of information and communication technology. It improves a reliability of the ...



Key features of the energy internet such as energy sources, communication technologies, data computation, energy management systems and financial analysis are highlighted to enhance the ...



The Internet of Energy (IoE) transforms energy production, supply, and consumption to fulfill high energy demands via intelligent automation of industrial energy producers and consumers.



This article deals with a thorough investigation of the energy internet towards future emerging technologies for energy distribution and management to solve existing limitations and enhance the ...



The results show the evolution of this field within key research networks with a few papers covering important elements of energy management, such as energy use, consumption and ...



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