

**JH Solar**

# **Wind power generation and energy storage patent**



## Wind power generation and energy storage patent

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### Wind Power Generation by Subway Train Traveling Wind

Configured wind turbine unit; An outgoing wire (OW) installed at the bottom to transfer generated electric energy to a storage battery installed at each terminal; Storage battery (B) for charging ...

### U.S. Patent for Offshore energy harvesting, storage, and power

A system for harvesting, storing, and generating energy, that includes floating structure supporting machinery to extract energy from wind, waves, surface generators, or ...



### A kind of wind light generation joint electric heat storage

The invention discloses an integrated energy supply system for wind and solar power generation combined with electric heat storage, comprising a trough solar collector field, a tower solar ...

### Wind power generation device for window frame

The present invention relates to a wind power generation device for a window frame, which can be easily installed and arranged in an assembly

type in accordance with the size of a window ...



## Integrated Wind, Solar, and Energy Storage: Designing Plants with ...

An integrated wind, solar, and energy storage (IWSES) plant has a far better generation profile than standalone wind or solar plants. It results in better use of the ...

## Rethinking the patent domains: An application to wind energy

Technology innovation in wind energy is expected to result in cost reductions and accelerated deployment. Therefore, examining innovation trends in wind energy is important to ...



## CN202121330U

The utility model discloses a wind power energy storage system, which comprises a control module, a transformer module, a filtering module and an alternating current-direct current (AC ...

## Wind power generation energy-saving train

The invention relates to railway transportation, in particular to a wind power generation energy-saving train. The technical problem to be solved is to further save electric energy for the train ...



## Offshore wind energy: Patent insight report

These patents cover inventions related to offshore wind energy, including key technology concept groupings such as: fixed and floating foundations, towers, mechanical power transmission, ...

### [KR20100127967A](#)

Wind power generation system The present invention is a power generation method for producing electrical energy by connecting the rotational force obtained through the wind blades to the ...

12V 10AH

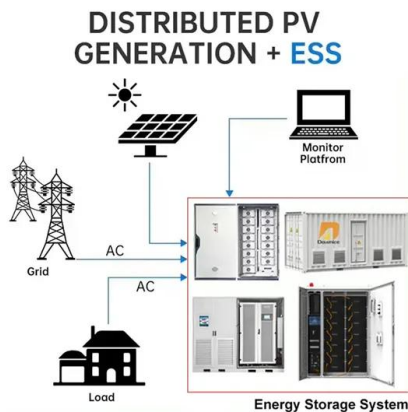


## ENERGY GENERATION AND ENERGY STORAGE IN A ...

Description Field of invention [0001] The present invention relates to energy generation and energy storage in wind turbines from a source other than the wind.

## ENERGY STORAGE BETWEEN A WIND

It is therefore a principal object of the present invention to provide a power control interface between the power output of an unstable power source Such as a wind farm and a power ...



## Patent MarketPlace: Wind Power, Solar Power and ...

Wind/Solar Generator (White): U.S. Patent No. 8,269,368 This patent takes both wind and solar power-generation to the next technology. The invention covered by this patent starts with a totally new concept in wind power ...

## Offshore wind energy: Patent insight report

This joint report by the European Patent Office (EPO) and the International Renewable Energy Agency (IRENA) uses patent statistics to explore innovation trends in the offshore wind supply ...



## CN102582819A

The stored energy of the storage battery and inverter devices can solve the intermittent internet access problem of wind energy. The power generating advantage of open sea or deep sea ...

## System and method for integrating wind and hydroelectric generation ...

However, the intermittent nature and variable speed of wind are the major drawbacks of wind generation systems, thus resulting in low system availability and low penetration. Existing ...



### Applications



## CN118128700A

The embodiment of the application relates to a wind power generation device and an energy storage system, wherein the wind power generation device comprises a first blade and a

## Measuring innovation in energy technologies: ...

Although most green energy technologies have seen a downward trend in the annual number of patents published since 2012, the decline has been most pronounced in nuclear power generation technologies and ...

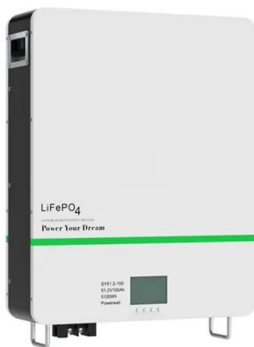


## Overview of US patents for energy management of renewable energy

Renewable energy has become a global energy development trend. In Germany, the United Kingdom, Italy, Denmark and other countries, wind and solar energy ...

## INTEGRATED WIND-POWER ELECTRICAL GENERATION ...

The present invention relates to a method and apparatus for using wind energy to compress air or pressurize a fluid as a means of storing energy.

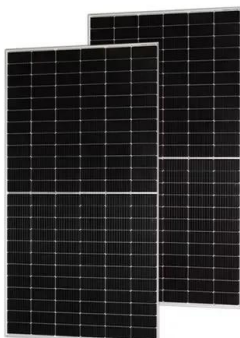


## Method and device of determining reference output power for energy

A method and system for determining a reference power for an energy storage system (ESS) in a wind power generation system.

## Energy storage system based on hybrid wind and photovoltaic

A 6 kWp solar-wind hybrid system installed on the roof of an educational building is studied and optimized using HOMER (Hybrid Optimization of Multiple Energy Resources) ...



## U.S. Patent for Wind turbine with integrated battery storage ...

By the integrated energy storage solution of the present invention, a cost-effective solution that combines energy storage and power conversion in one solution is obtained.

## Measuring innovation in energy technologies: green patents as

Although most green energy technologies have seen a downward trend in the annual number of patents published since 2012, the decline has been most pronounced in nuclear power ...

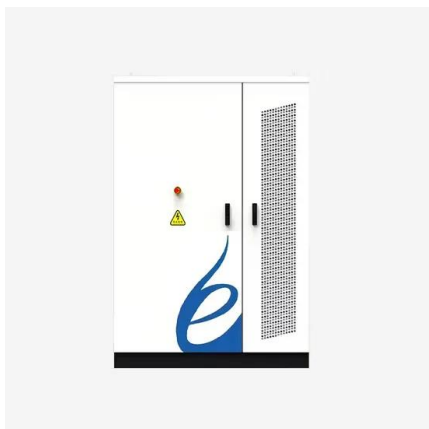


## PORTABLE WIND AND SOLAR POWER GENERATOR

TECHNICAL FIELD [0001] The present invention relates generally to power generation, and particularly to a portable generator for generating electrical energy from wind and solar energy.

## Offshore energy harvesting, storage, and power generation ...

A system for harvesting, storing, and generating energy, that includes floating structure supporting machinery to extract energy from wind, waves, surface generators, or ...



## Research Status and Development Trend of Gravity Energy ...

The results of patent analysis show that more and more new renewable energy generation systems based on gravity energy storage systems have emerged in recent years. The most ...

## Wind Patents (Class 290/55)

Abstract: A micro-power wind-solar hybrid energy harvesting and power generating device including a solar power generation module, a wind power generation ...



## CN2855816Y

The utility model discloses a turbine wind power electricity generating energy-storing device used on a motor vehicle, comprising a wind power electricity generating device, and a charger ...

## Annual patents filed for renewable energy technologies

Annual patents filed for renewable energy technologies Data only includes energy source technologies, and excludes technologies such as energy storage or transport. Figures in recent ...



## Annual patents filed for energy storage technologies

Solar and wind power generation Solar energy generation by region Solar energy generation vs. capacity Solar power generation The cost of 66 different technologies over time The long-term ...

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