

By developing advanced control strategies, real-time simulation models, and hands-on power electronics applications, this research aims to ensure that port facilities remain operational and ...

A partnership between PXP Inc and Tokyo Gas Co is working on developing film-type chalcopyrite solar cells for industrial roofs with low load-bearing capacity. Elsewhere, a coalition of partners ...

The analysis of the VF droop control method for AC microgrid applications indicates a promising future with opportunities for technological advancements, integration of emerging technologies, ...

The US Department of Commerce (DoC) says it will investigate the potential for export restrictions by foreign countries, as well as their ability to "weaponize" their control over supplies of ...

Iberdrola has started approval processes for a 1.32 GW pumped-hydro storage project in Portugal. The Proyecto de Aprovechamiento Hidroelctrico de Minhau is set to become the ...

Agncia Nacional de Energia Elctrica (ANEEL), Brazil's electricity regulator, will publish initial energy storage regulations in the second half of 2025, with two additional consultation ...

A request for proposals from six qualified bidders interested in developing a 22.5 MW solar-plus-battery project is now live in the Cayman Islands. The project will be the islands' largest solar ...

Italy's first solar auction under the transitional FER X incentive scheme drew 17.5 GW in project proposals and an additional 2.87 GW in wind bids, according to state-run energy agency Gestore ...

Wattlab has installed a PV system capable of delivering up to 35 kW to a cargo ship's high-voltage propulsion system, allowing it to temporarily replace one of four diesel generators ...

eCap Marine says it will supply 8 MW of hydrogen fuel cell systems for four zero-emission vessels under construction for Norway's Mre Sj; and logistics firm Samskip, with deliveries expected ...

The project is currently testing microgrid solutions and energy storage technologies, including the use of lithium-ion (Li-ion) batteries in one of the pilot plants, specifically LiFePO4. This is being ...

An international research team has conducted an extensive overview of bifacial solar modules from 39 countries. Their analysis took into account the best of the median values indicated in ...

A new study from Curtin University in Australia has shown that Australian households are hesitant to adopt



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home batteries due to significant non-financial barriers, despite growing affordability ...

Researchers have used the jellyfish search algorithm to optimize solar PV distributed generation placement and sizing. They have tested the algorithm on an IEEE 33-bus system, with one, ...

IEA PVPS Task 16 recently introduced SolarStations , a global catalogue of solar irradiance monitoring stations designed for researchers, developers, and policymakers. This openly ...

SAEL Industries Ltd. will invest INR 82 billion (\$955 million) to build a 5 GW solar cell and module plant in India. The facility will raise its total manufacturing capacity to 8.5 GW.



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