



GermanSolarZA

60kWh North Korean energy storage container used in port





Overview

What are the major container ports in South Korea?

Major container ports in South Korea (e.g., the Ports of Busan, Gwangyang, and Incheon) support the import and export economy. Newly supplied terminals will be planned to implement an automated operation system, and mandates the installation of AMP according to the Special Act on the Improvement of Air Quality in Port Areas.

How does South Korea manage energy consumption in ports?

South Korea has virtually no policies related to energy consumption management in ports, and though it is promoting policies to estimate and reduce carbon emissions, there are no measures to limit electric energy consumption in ports, which is expected to continuously grow in the future.

Does Busan New Port have a stable electric power supply?

In order to address this gap, this study forecasts future electric power consumption in Busan New Port (South Korea's largest container port) and, comparing this with the current standard electric power supply capacity, investigated the feasibility of maintaining a stable electric power supply in the future.

How much power does KEPCO supply in Busan New Port?

Regarding the contract power of each Busan New Port terminal in 2022 (see Table 15), KEPCO supplies different levels of contract power according to the terminal berths; generally, 5000 kW is supplied for 4000 TEU-class berths and 2500 kW for 2000 TEU-class berths.



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Company Overview Korea Energy Terminal Co.,Ltd. (Korea Energy Terminal, KET) Korea Energy Terminal Co.,Ltd. ('KET') is a joint venture company between Korea National Oil Corporation
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