

## PEES Power Systems

# Japanese sodium-sulfur battery energy storage container



## Overview

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The project has been built at the former site of a liquid natural gas (LNG) terminal and features NAS batteries with 11.6 MWh storage capacity (~6-hour duration at full rated power). 8 MWh of NAS batteries under a demonstration project to assess the performance of stationary storage at a site operated by Korea Electric Power Corp. Japan's NGK Insulators has started operating four 250 kW/1. While they are well fit to serve short-duration applications, technologies, specifically designed to cover several hours of charging and discharging, offer a. New product NAS MODEL L24 is characterized by significantly reduced degradation rate. Improved technology allows customers to save approx. Ludwigshafen, Germany, and Nagoya, Japan, June 10th. J: Sodium sulfur batteries, a mostly forgotten chemistry pioneered in the 1980s and 1990s, received a boost with the announcement on June 10 of a new advanced container-type, megawatt scale, NAS battery. BASF will begin deliveries of NAS model L24 in the second half of 2024.

## Japanese sodium-sulfur battery energy storage container

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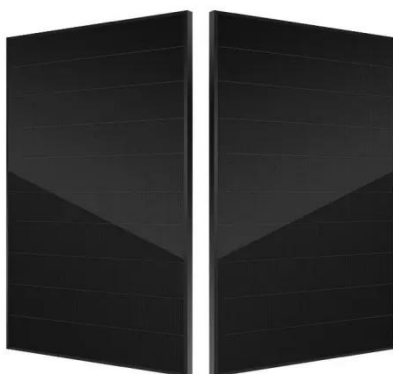
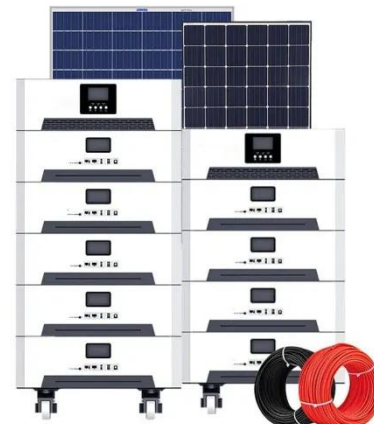


### **BASF, NGK release new NaS battery**

The new product has been jointly developed by NGK Insulators, a Japanese ceramic manufacturer, and BASF Stationary Energy Storage. The new model and has a low degradation rate of less ...

### **BASF and NGK release advanced type of sodium-sulfur batteries, NAS**

BASF Stationary Energy Storage GmbH, a wholly owned subsidiary of BASF, and NGK INSULATORS, LTD. (NGK), a Japanese ceramics manufacturer, have released an advanced container-type ...



### **NGK sodium-sulfur batteries: Japan project, Duke Energy pilot**

NGK's sodium-sulfur (NAS) battery is one of the most commercially mature non-lithium electrochemical technologies for grid-scale energy storage applications. Its manufacturer markets it ...

## NAS batteries: long-duration energy storage proven at 5GWh of

The NAS battery storage solution is containerised: each 20-ft container combines six modules adding up to 250kW output and 1,450kWh energy storage capacity. Multiple containers can

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## BASF and NGK Release Advanced NAS MODEL L24

BASF Stationary Energy Storage and NGK INSULATORS have released an advanced container-type sodium-sulfur battery, the NAS MODEL L24. Ludwigshafen, Germany, and Nagoya, ...

## NGK Insulators' Advanced Sodium-Sulfur Battery Technology Powers ...

A large-scale energy storage project utilizing NGK's NAS batteries has commenced operations in Japan, while a pilot program featuring the same technology is now underway in the ...



## NGK starts operating sodium-sulfur battery storage for ...



Japan's NGK Insulators has started operating four 250 kW/1.450 MWh sodium sulfur battery containers at a KEPCO testing site in Naju, South Korea.

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## Battery: Sodium Sulfur Battery System , United Nations Industrial

NGK markets NAS batteries for use in grid storage (especially for use in conjunction with intermittent renewable energy sources such as wind and solar). The battery systems have applications in peak ...



## Joint News Release

NAS batteries are long-duration, high-energy stationary storage batteries. They feature long life and enhanced safety and can provide a stable power supply over six hours or longer.

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## BASF and NGK release advanced type of sodium-sulfur batteries ...

Ludwigshafen, Germany, and Nagoya, Japan, June 10th, 2024 - BASF Stationary Energy Storage GmbH, a wholly owned subsidiary of BASF, and NGK INSULATORS, LTD. ...



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