



# Australian sodium-sulfur battery energy storage container



## Overview

5 MW NaS BESS provides a minimum of six hours of energy storage and is part of a feasibility study being conducted in partnership with Victoria-based energy solutions company Allset Energy, to finalize the engineering, procurement, and construction services agreement for. The 1. State-owned generator CleanCo Queensland is piloting Australia's largest grid-connected sodium sulfur (designated NaS in its chemical symbol) long-duration battery energy storage. The NAS® battery, manufactured by NGK Insulators Ltd. in Japan and distributed globally by BASF Stationary Energy Storage GmbH, is made up of molten sodium and sulfur electrodes as the basis of its technology. This offers six or more hours of continuous battery discharge, which can support 24/7. A long duration sodium-sulfur battery energy storage system has been installed at a nickel-copper-cobalt mine in Western Australia's Fraser Range, to test the technology's mettle in a remote mining environment - and marking an Australian first. For mining operations losing AUD 500,000+ daily during facility downtime, installation speed directly impacts project economics.



## Article Content

CleanCo pilots 1.5 MW sodium sulphur battery at ...

The 1.5 MW NAS BESS provides a minimum of six hours of energy storage and is part of a feasibility study in partnership with Victoria-based ...

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

The new technology elements have been incorporated into the field-proven battery design. These improvements allow projects to be implemented using significantly fewer number of ...

Sodium-sulfur battery tests long duration energy ...

A long duration sodium-sulfur battery energy storage system has been installed at a nickel-copper-cobalt mine in Western Australia's Fraser ...

Australia's largest grid-connected sodium sulphur ...

Providing at least six hours of energy storage, a 1.5MW NAS battery at Swanbank would be one of the first in Queensland and the largest grid ...

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NAS® Battery

The NAS® battery is available as a single container or as a modular solution with four containers per PCS, arranged in a two-by-two stackable formation. A 20" ...

QUT ESRG partnership pilots Australia's largest grid-connected NAS ...

"We are thrilled to be partnering with CleanCo and QUT to implement this in Australia's largest sodium sulphur energy storage solution. Projects such as this create a vital link to Australia's ...

Australia pilots 1.5 MW sodium sulfur battery

The charging step recovers metallic sodium and elemental sulfur. The battery runs at temperatures of around 300 C and both elements are in a liquid ...

Battery Energy Storage Solutions | Apex Energy Australia

Modular, scalable and easily deployed across a range of markets and applications, BESS is available in 10ft, 20ft, or 40ft container sizes, fully assembled and ...

Containerised Battery Energy Storage: Achieving Rapid Deployment ...

Future Developments: Scalability and Technology Evolution Emerging battery chemistries including sodium-ion and solid-state technologies will expand containerised storage capabilities. Sodium-ion ...

## Contact Us

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