



BUHLE POWER

Victoria Base Station solar container battery System





Overview

Once operational, the 300 megawatt capacity / 650 megawatt-hour facility will become one of the largest grid-scale batteries in the state, supporting grid stability and enabling greater integration of renewable energy, supplying equivalent power to around 135,000 houses. How many large-scale storage systems does Victoria have?

Victoria has 12 commissioned large-scale storage systems and 3 in commissioning – with a total output capacity of 1028 MW and storage capacity of more than 1.7 GWh. Storage capacity = how much total energy is stored in each battery. Output capacity = how much energy a battery can provide at a given time.

How many energy storage projects are there in western Victoria?

In March 2018, 2 projects in Western Victoria were chosen to be part of The Energy Storage Initiative – one in Ballarat and one in Gannawarra. Construction for the Ballarat and Gannawarra Energy Storage Systems was completed in late 2018. Both batteries began operating over the summer of 2018 and 2019.

What is the Ballarat energy storage system?

The Ballarat Energy Storage System provides back-up power and grid stabilisation, vital to maintaining a reliable and affordable energy supply in Western Victoria. The Gannawarra Energy Storage System is located at the Gannawarra Solar Farm in Wandella, Victoria. The 25 MW/50 MWh battery is a Tesla Powerpack system.

Why is Victoria a good place to store batteries?

Victoria is the home of big batteries and has legislated storage targets of at least 2.6 GW by 2030 and 6.3 GW by 2035 to provide crucial support for more renewable capacity. Storage is a vital part of our electricity grid. In the future, much of our energy will be generated closer to where it is used and the way we use it will be more efficient.



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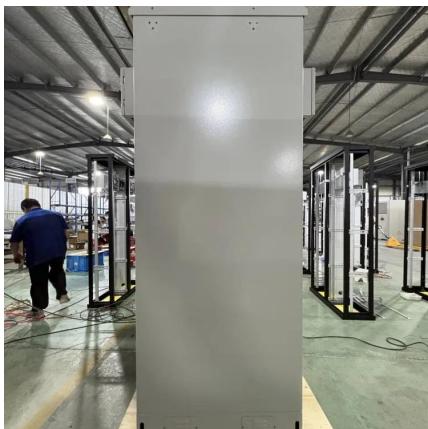
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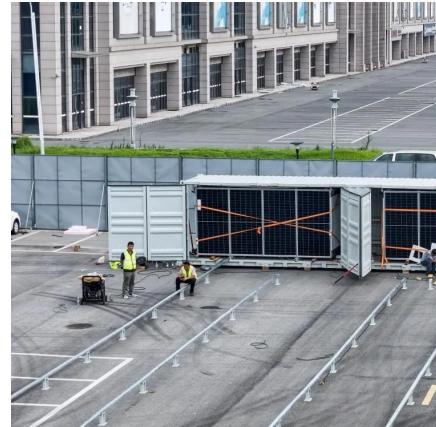
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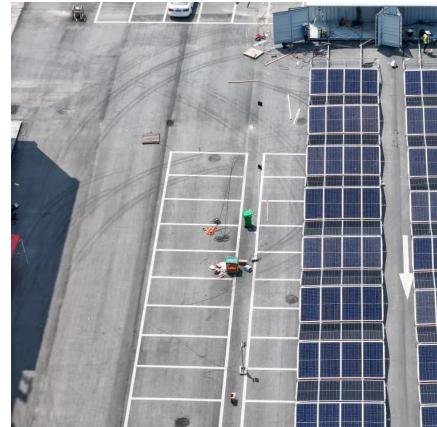
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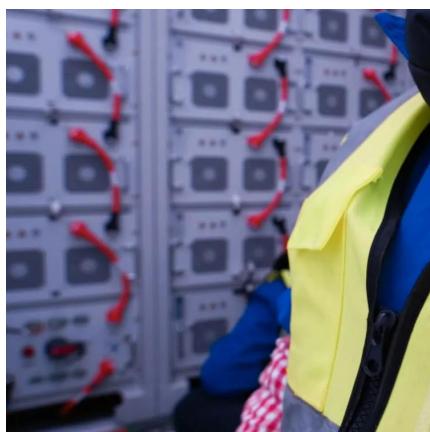


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