

How much does the energy storage power station sell electricity





Overview

How much does the energy storage system cost?

The energy storage system is a 4MW, 32MWh NaS battery consisting of 80 modules, each weighing 3 600 kg. The total cost of the battery system was USD 25 million and included USD 10 million for construction of the building to house the batteries (built by Burns & McDonnell) and the new substation at Alamito Creek.

What is the current cost of storing energy per kWh?

The current cost of storing energy per kWh is \$1000 / kWh. Additionally, by using the to pump water in the water tank.

How much power does a power station generate?

In the power station, steam at 100 oC is condensed to water at 100 oC and generates 6.9 MW of electrical power. The specific latent heat of vaporisation of water is 2.3 MJ/kg. The power station has an efficiency of 12%. Calculate the mass of steam condensed each second. Use the Physics Equations Sheet. 0 7 .

Do investors underestimate the value of energy storage?

While energy storage is already being deployed to support grids across major power markets, new McKinsey analysis suggests investors often underestimate the value of energy storage in their business cases.



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