

Can energy storage devices save electricity bills





Overview

Could a 'plug and go' device save money on electricity bills?

Manufacturers of 'plug and go' devices claim that they can reduce electricity costs by up to 35% when plugged into a domestic socket-outlet. The prospect of such energy savings is likely to appeal to consumers given the continuing rise in energy prices.

What is the claimed energy saving of these devices?

Manufacturers of these devices, which are designed to be plugged into a domestic socket-outlet, claim an energy saving or reduction in electricity costs of up to 35%. The prospect of a 'plug and go' device for saving money on electricity bills is likely to appeal to consumers given the continuing rise in energy prices.

Why do we need electricity storage?

The need for electricity storage will rise as we increase the volume of variable, non-dispatchable renewables on the system and increase peak demand through the electrification of heat and transport. It will be critical to maintaining energy security as we shift away from gas over the 2020s-30s.

How much does an energy storage system cost?

The cost of an energy storage system widely varies depending on the technology and scale, but to provide a general sense, the average cost for lithium-ion batteries, which are commonly used, has significantly decreased over the years. As of recent figures, the cost hovers around R2,470 per kilowatt-hour (kWh).



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Energy storage technologies are uniquely positioned to reduce energy system costs and, over the long-term, lower rates for consumers. Read ACP's Fact Sheet to learn more in detail.

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