PDEOZE PowerContainer

Urban peak-shaving energy storage equipment

Overview

Is peak shaving energy storage a necessity?

In an era of rising electricity costs, unpredictable peak demand charges, and growing pressure for energy independence, peak shaving energy storage is no longer a luxury—it’s a necessity.

Can peak shaving reduce energy costs?

Modern consumers actively seek cost-effective energy solutions and sustainable practices. This white paper explores peak shaving as an effective method to minimize energy costs. Energy and facility man-agers will gain valuable insights into how peak shaving applications can help unlock the full potential of energy storage systems.

What is peak shaving & why is it important?

Peak shaving can be accomplished by either switching off equipment or by utilizing energy storage such as on-site battery storage systems. The objective of peak shaving is to eliminate short-term spikes in demand and reduce overall cost associated with usage of electricity. Why Is Peak Shaving Important?

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What is a peak shaving system?

HVAC – These systems consume significant energy to maintain optimal comfort levels within a building. Peak shaving can be used to mitigate the inflated cost of running HVAC during peak demand periods. — Industrial processes – Several industrial processes are energy-intensive and often operate for limited durations.

What is base peak shaving?

Base Peak shaving, sometimes called load shedding, involves reducing the

peak electricity demand to lower demand charges. This technique is often employed by commercial and industrial electricity consumers who aim to momentarily reduce their grid-power consumption to help avoid spikes in their energy usage.

Should peak shaving be a strategy?

BESS is one of the most effective ways to achieve a sus-tainable future. The decision to adopt peak shaving as a strategy should be carefully assessed by consumers on a case-by-case basis. Peak shaving is particularly relevant in regions where Time-of-Use (TOU) rates are implemented by electric utilities and where demand charges are substantial.

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