



Energy storage for peak shaving mexico city

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Peak shaving involves both reducing overall energy consumption during peak times and shifting that consumption to more cost-effective or sustainable energy sources. By strategically managing when and how you use energy, you can significantly cut down on energy costs, avoid demand charges, and contribute to a more stable energy grid.

During peak demand times, the cost of electricity often rises due to the increased strain on the power grid. Utilities charge higher rates during these periods to manage the higher operational costs, which can lead to expensive electricity bills for large consumers. Peak shaving involves adjusting your use of grid-supplied electricity when prices are highest, ensuring you avoid excessively high energy costs.

Load shifting involves moving energy-intensive processes to off-peak times when electricity demand and prices are lower. This can be done manually or automated through advanced energy management systems.

Participating in Demand Side Response (DSR) programs rewards businesses with incentives for reducing their grid-supply energy usage during peak times, which can lead to additional cost savings.

Installing on-site power generation systems, such as solar panels or backup generators, enables businesses to produce their own electricity during peak demand times, reducing reliance on the grid.

Implementing these techniques manually can be a complex process that requires careful planning and analysis of your energy usage patterns. However, with an end-to-end solution from Volstora it's easy to achieve a peak shaving strategy.

Our revolutionary Volstora battery energy storage systems, combined with our proprietary energy management software DAV3, provide everything you need to minimize your company's energy bills. Our systems go beyond helping you to monitor and manage your energy usage in real-time - they can also help you to optimize energy trading, selling surplus electricity to the grid for maximum profit.



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