

# Grenada peak shaving battery

Should you use a battery-only peak shaving system?

Sometimes, the best bang for your buck may be grid-tied battery backup - if your site isn't well-suited to solar production. A battery-only peak shaving system is easy, simple, and affordable for professionals to install. Setup is much simpler than solar+storage. Why? You can size batteries to power your building for hours, rather than days.

What is peak shaving?

Peak shaving is a term used in energy management to describe reducing the energy consumed during peak demand on the electric grid. Peak demand is a period when energy consumers use the most amount of electricity. Peak demand is usually in the morning when people wake up and in the evening when they return home from work.

Which industrial processes are a good fit for peak shaving?

Many industrial processes consume large amounts of power. If these processes can be scheduled or adjusted to lower demand over peak periods, they can be a good fit for peak shaving. Examples could include manufacturing processes, data centers, oil refineries, or chemical companies.

Should you buy peak shave equipment?

If your electricity is flat rate (same price all day), then buying peak shaving equipment will actually cost you money. If you pay a peak rate, you'll want to review the numbers with an expert to be sure it's right for your business or home. What equipment do you need to peak shave?

Battery storage space systems play a pivotal role in peak shaving by keeping power during off-peak hours and releasing it during peak need durations. This not only helps reduce the top loads but also enhances the total performance of the energy system.

Utilizing battery storage, such as the Lithtech Battery, to supply energy during peak times. By shifting to battery power during these high-demand periods, businesses can significantly lower their demand from the grid and avoid costly peak load fees.

I've got 4k in batteries to hook up to it. I produce 6kwh even at 6pm in the summer and peak hours are that I'm negative are 5-9. We work early in the morning so usually don't use much after 730pm. We have a mini split in our room that's pretty efficient. My peak negative usage in the summer is 8kwh over that 4 hour period

If a peak load occurs above a defined threshold, this is shaved by the battery storage system. The storage system provides the electricity required. As a result, the electricity drawn from the grid is kept within the defined value (the ...

## Grenada peak shaving battery

If a peak load occurs above a defined threshold, this is shaved by the battery storage system. The storage system provides the electricity required. As a result, the electricity drawn from the grid is kept within the defined value (the optimised line on the diagram).

Next, the installer or battery expert will walk you through their calculations. You'll see whether peak shaving makes sense for you - and how much you could save. From there, you can have your peak shaving system installed quickly and start paying less for electricity.

Peak shaving with a battery can ensure the continuity of your business by reducing spikes in energy consumption, lowering your load on the grid and minimizing risks of power outages. This results in a more stable power supply and prevents interruptions in business processes.

**Lithium-Ion Batteries:** The most common battery storage solution for peak shaving. These batteries are efficient, long-lasting, and have a relatively low environmental impact compared to other battery types.

Web: <https://mikrotik.biz.pl>

