MULTIBOXX ENERGY
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# BESS used for Peak Shaving

In commercial and industrial settings, BESS can be used for peak shaving. This involves storing energy during off-peak times when electricity is cheaper. The stored energy is then used during peak times. This practice reduces energy costs and decreases the burden on the grid.

## Key Advantages

**Cost Reduction:** BESS helps reduce electricity costs by storing energy during off-peak periods when rates are lower and discharging it during peak hours when rates are higher, thereby minimising peak demand charges.

**Grid Stability:** By reducing demand during peak periods, BESS helps alleviate strain on the grid, leading to improved grid stability and reliability, and potentially avoiding the need for costly grid upgrades.

**Energy Efficiency:** BESS improve energy efficiency by ensuring that energy generated during off-peak times is not wasted but stored for later use during peak demand periods, optimising available resources.

**Environmental Benefits:** BESS contributes to environmental sustainability by reducing the need for additional fossil fuel-based power generation during peak demand, thereby lowering greenhouse gas emissions and supporting the transition to cleaner energy sources.

**Resilience and Reliability:** BESS provides backup power during peak demand events or grid outages, ensuring uninterrupted operation of critical facilities and services, such as hospitals, data centres, and manufacturing plants, enhancing resilience and reliability.

## Key Features Of BESS

Advanced Battery and Inverter Technology: Over 450,000 units sold worldwide,

Integrated Fire Suppression System to protect your investment.

Climate Control: Air conditioning ensures optimal operating conditions

Enhanced system and control alert monitoring via our EU-based cloud servers

Option to implement a battery management software system, to maximise your renewable energy.