# Peak shaving bolivia

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In industries and businesses with high electricity consumption, it is advisable to "Peak Shaving", i.e. to minimise and reduce the amount of electricity demanded from the grid at any given time, especially at critical moments with strong consumption peaks. We achieve this by installing photovoltaic solar panels and lithium batteries.

In this way, it does not matter how much energy you consume or when. Thanks to CEGASA"s lithium battery storage systems, you will instantly enjoy that high energy demand needed at certain times, without having to worry about penalties due to maximum meter or high electricity prices in certain periods.

En industrias y comercios con alto consumo de electricidad, es conveniente hacer "Peak Shaving", es decir, minimizar y reducir la cantidad de electricidad demandada de red en un momento dado, especialmente en momentos cr?ticos con fuertes picos de consumo. Esto lo conseguimos con la instalaci?n de placas solares fotovoltaicas y bater?as de litio. De esta manera, no importa cu?nta energ?a consuma ni cu?ndo.

A "capacity tariff" is going to be introduced on residential properties where you will have to pay for the electrical capacity that you need. This tariff is expected in many European countries, such as Belgium and Italy, and may increase electricity bills for many families.

This pertains to any household that consumes more than the utility provider"s power limits at a certain time as seen below on the electricity curve in Figure 1. Peak shaving is when you use your own power to avoid the new tariff on your electricity bills during the biggest energy consumption times.

B. Control your power consumption by using power settings to prevent any overconsumption problems. You can control things by using less indoor lighting, fans instead of air conditioners, or lowering the maximum temperature of your water heater.

For areas where peak power consumption limits exist, the use of a photovoltaic (PV) system and energy storage power is necessary. The Solis hybrid inverter is a perfect match for this scenario. With Solis" residential solutions, you can achieve 100% green electricity use, electricity independence, all while reducing your electricity bills.

During the day, a PV system generates more electricity than the load needs. It first supplies power to the local load while also charging the battery. If there is any excess power, it can be sold to the main grid. At night, the battery banks discharge to supply the load required by the household. If the grid is interrupted, the system can operate independently to provide continuous power for residential applications.

In addition, the Solis S6 energy storage inverter supports peak shaving control in both "self-use" and

"generator" modes. It allows users to set the maximum grid power consumed by the loads, and the surplus power can be supplemented by PV, battery banks, or diesel generators. The S6 was designed with reducing the grid electricity price and saving electricity costs in mind.