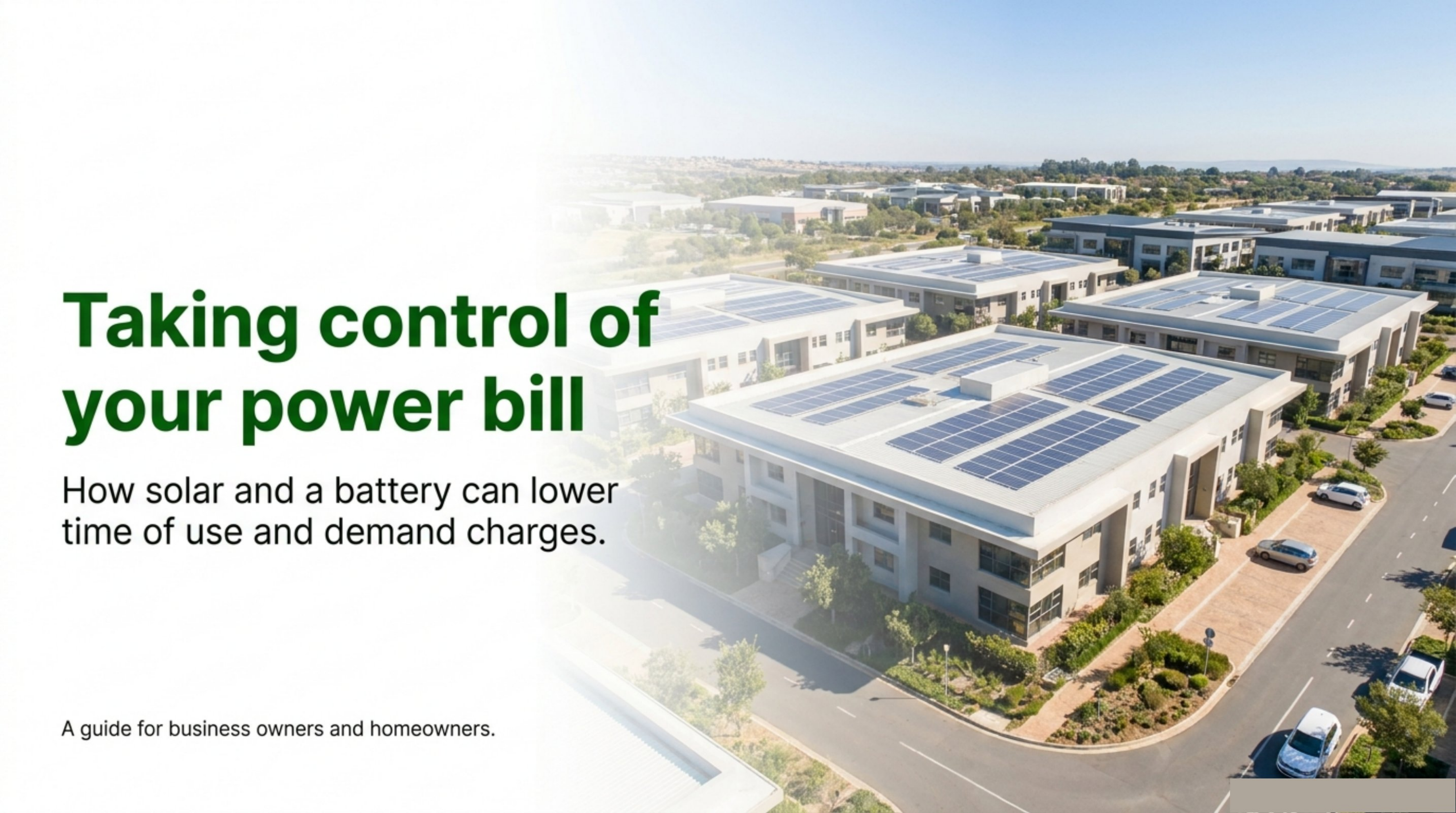


An aerial photograph of a modern, multi-story commercial building with a flat roof. The roof is covered with numerous blue solar panels. The building has large windows and a light-colored facade. It is situated in a suburban or commercial area with other buildings and trees in the background. The sky is clear and blue.

Taking control of your power bill

How solar and a battery can lower
time of use and demand charges.

A guide for business owners and homeowners.



1. Energy

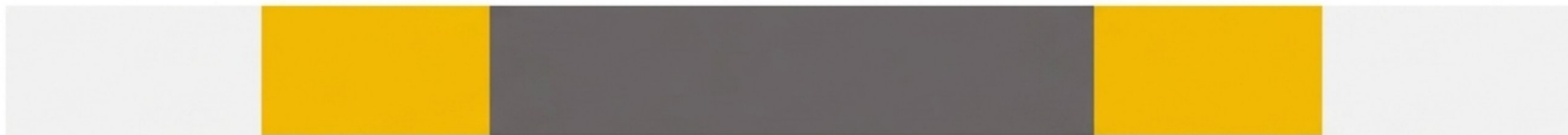
What you pay for each unit of electricity you use. One unit is one kilowatt hour.



2. Demand

What you pay for your highest half hour of use in the month.
Billed per kVA on many business tariffs.

The price of a unit changes with the time of day



Peak

The most expensive hours on weekday mornings and evenings.

Standard

The middle price for most of the working day.

Off peak

The cheapest hours at night and over weekends.

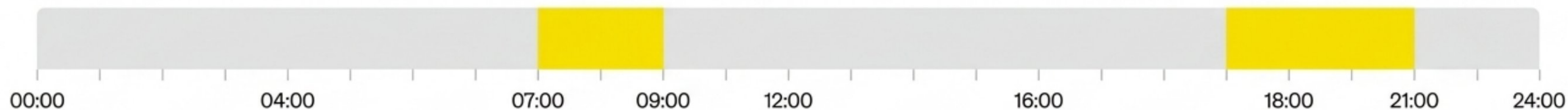
On Eskom Megaflex tariffs, off peak hours do not count toward your demand charge.

Peak hours shift during the high demand winter season

Winter high demand 1 June to 31 August. Weekday peaks at 06:00 to 08:00 and 17:00 to 20:00.



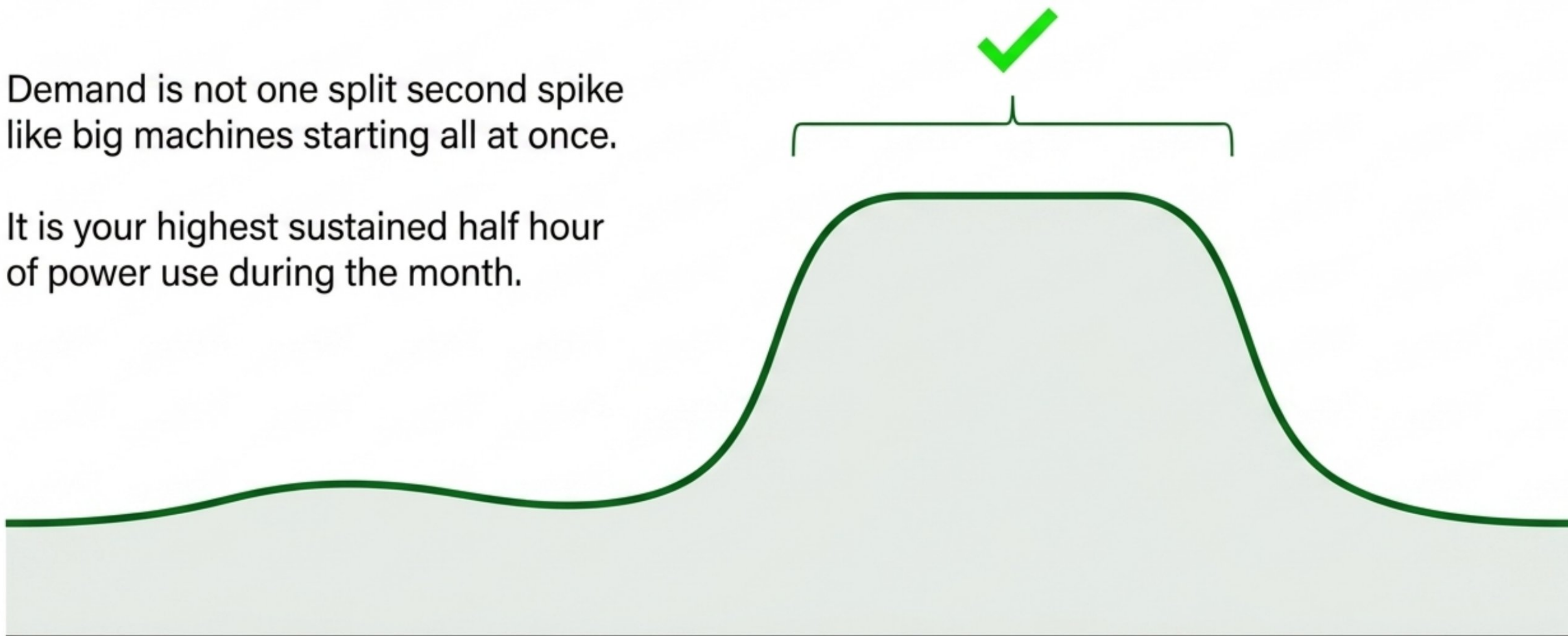
Rest of the year 1 September to 31 May. Weekday peaks at 07:00 to 09:00 and 18:00 to 21:00.



Demand is measured in sustained half hour blocks

Demand is not one split second spike like big machines starting all at once.

It is your highest sustained half hour of power use during the month.



Solar and storage systems actively manage these costs

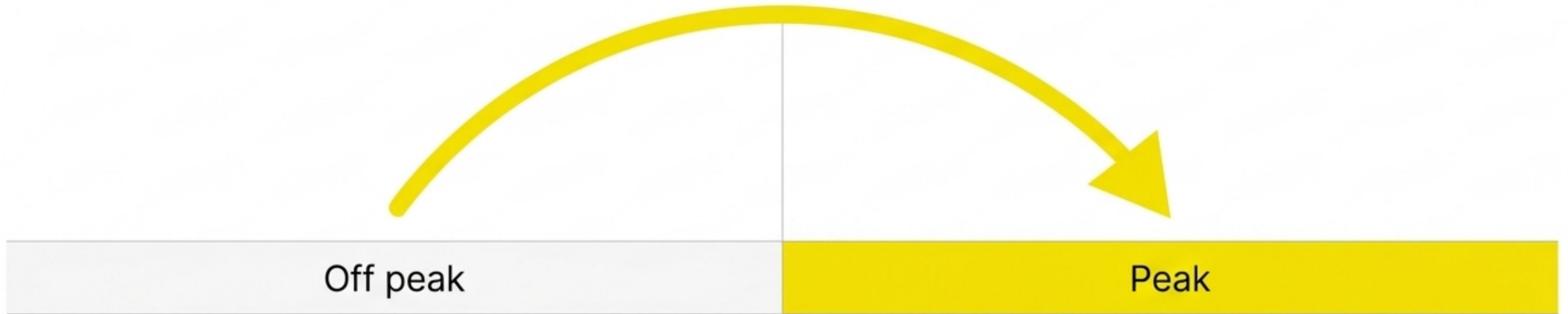
Solar panels make power during the day. A battery stores power so you can use it later.

FoxESS and Sigenenergy systems follow time of use and help manage demand peaks.

See your solar, battery and grid use live in the app.



Load shifting moves your power use away from peak prices



The battery is charged from daytime solar or cheaper off peak grid power.

You use the stored battery power during the expensive peak hours.

You use less grid power when it costs the most.

Peak shaving lowers the highest half hour of use



When your power use spikes, the battery instantly helps cover the load.

This lowers the highest half hour of use that the meter records.

This lowers the demand charge on your monthly bill.

The path to savings starts with a free energy assessment

- ✓ We start with a free energy assessment and review your utility bill and demand charges.
- ✓ For big sites, our team can log your power use on site before sizing the system.
- ✓ You get a full report with the recommended system size, equipment list and payback time.

The assessment takes about 1 to 2 weeks from booking to report depending on the site.



ZenSolar handles all compliance and installation logistics

- ✓ Certificate of Compliance and SSEG application sorted for you.
- ✓ SSEG fees and meter costs are included in our quotes.
- ✓ Every job gets a structural engineer sign off.
- ✓ Installed by our team and preferred, vetted installers approved by the brands.

Premium hardware paired with flexible finance options

Hardware

ZenSolar designs systems in house. We fit FoxESS and Sigenergy inverters and batteries.

10-year swap-out warranty for the inverter and battery.

Finance

Rent to own options from 3 up to 15 years.

Power purchase agreements for businesses.

Book your free energy assessment

zensolar.co.za