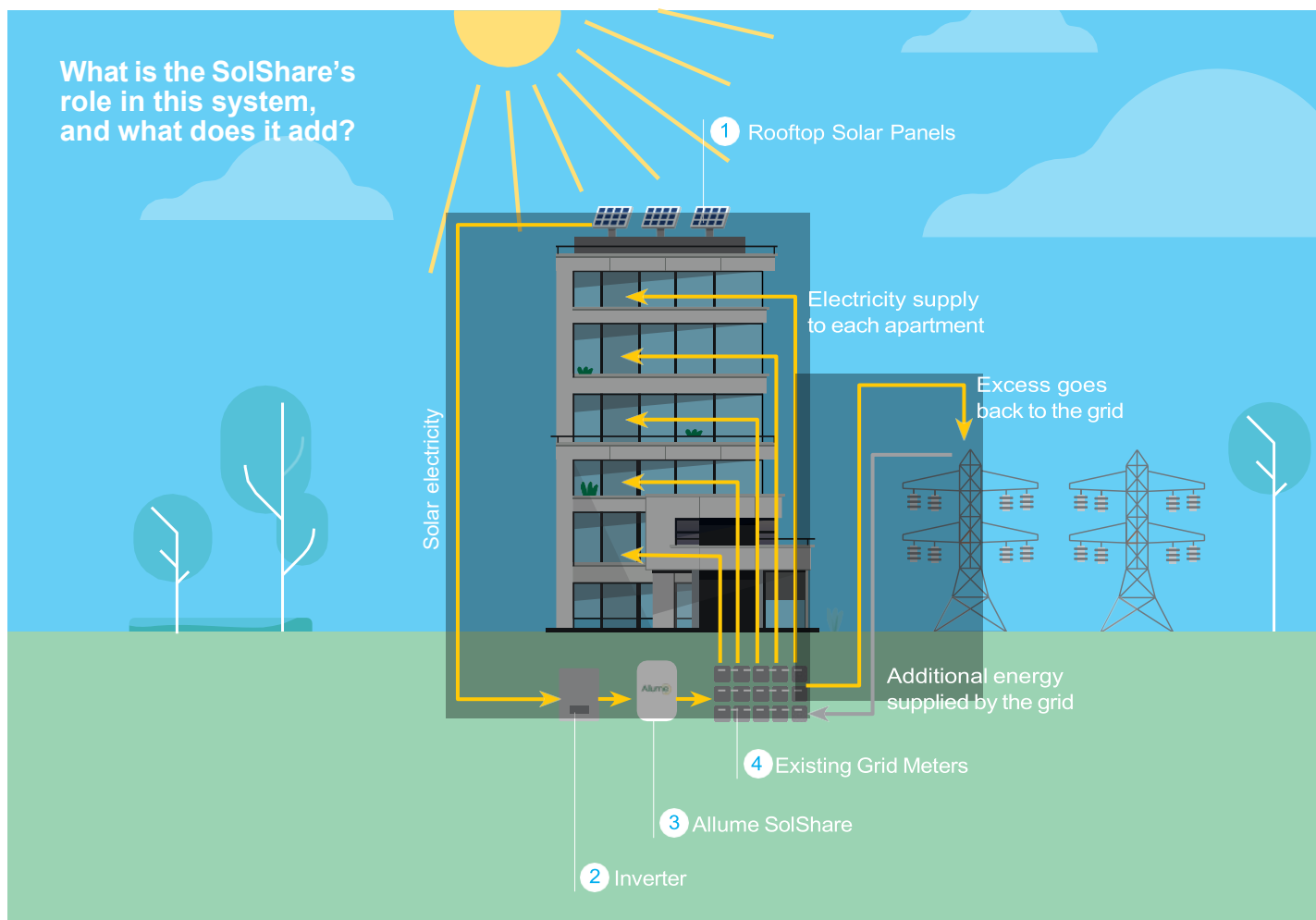


# Solar My Strata

How SolShare works.

## What is Solshare?

Allume's SolShare allows the energy produced by a single rooftop solar system to be distributed behind-the-meter to separately metered dwellings. All apartments remain connected to the grid for electricity demand not met by solar.



### 1. Rooftop solar panels

Solar panels turn light from the sun into free energy for your home. Panels are very sensitive and even produce energy on cloudy days.

### 2. Inverter

The inverter changes the DC energy created by the solar panels into AC energy. AC energy is what your home needs to power your appliances.

### 3. SolShare

The SolShare unit sends the energy from the inverter to you and your neighbours. It constantly monitors everyone's energy use and distributes it so that it maximises your savings.

### 4. Existing grid meters

The SolShare unit connects to each circuit behind their own existing smart meter. Its installation requires no change to the existing electricity metering infrastructure.



# Solar My Strata

How SolShare works.

## Sharing solar energy

SolShare distributes solar electricity to apartments on-demand to maximise solar consumption. This optimised sharing means solar usage is typically 30-35% higher than with many individual solar systems. As such, the number of solar panels required to economically service each apartment is reduced, meaning solar is within reach for many apartment blocks with insufficient roof space for individual systems.

The chart below shows how SolShare works for a five-apartment block. Each apartment uses energy at different times, so energy is directed to each one at the most appropriate time to maximise savings. Residents can elect to share solar one of three ways: equally, by unit entitlement or fully optimised to maximise on-site consumption.

Not all owners need to opt-in (unlike an embedded network), however given payback periods of around five years and the availability of financing, we think this is unlikely to occur too often!

## What happens if occupants are not home to use the energy?

If an occupant does not use solar electricity and it's exported to the grid instead, the occupant will receive a feed-in credit on their bill from their electricity retailer. So even residents not home during the day will have lower electricity bills thanks to shared solar.

If the system is unable to equalise the amount of solar shared by the end of the month (due to a few too many rainy days), the difference is rolled over to the following month. These differences equalise over a quarterly billing cycle.

## Do we have to change electricity retailer?

Residents do not have to change electricity retailers. However, they must have a smart meter to measure the electricity sourced from and solar exported to the grid.

Diamond Energy, our electricity retailer of choice, can install a free smart meter and topped the solar category in the Green Electricity Guide. [Find out more](#)

## Buying and selling energy to and from the grid

### One moment:

