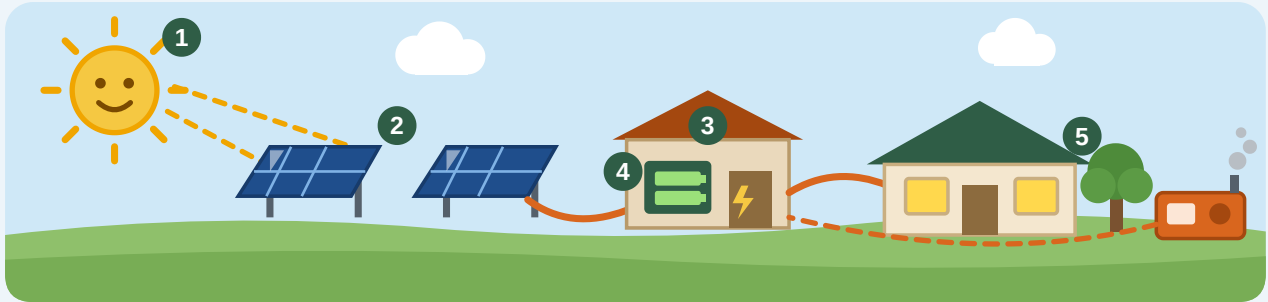




POWER DETECTIVES

How Taaibosch makes its power

Hoe Taaibosch sy eie krag maak



1



The sun shines

Sunlight is free energy. Every sunny day it pours onto the farm.



2



Solar panels catch it

The shiny panels turn sunlight into electricity. No smoke and no noise!



3



The inverter is the boss

It changes the panels' power into the kind our plugs and lights use.



4



Batteries save it

Big batteries in the solar shed fill up, like a tank filling with water.



5



Power for the camp

Lights, fridges, the kitchen and the water pumps all run on it.



By day

The sun does two jobs at once: it runs the whole camp **and** fills up the batteries for later.

The more sun, the fuller the batteries.



By night

No sun? No problem! The batteries take over and send their saved power to the camp.

Every light at night uses some battery.



The generator

Cloudy days, or lots of power used? When the batteries run low, the backup generator starts.

It burns petrol: noisy and costly. Save power!

Be a power saver! **Spaar krag!**

- ✓ Switch off lights and fans when you leave a room.
- ✓ Keep fridge doors closed so the cold stays in.
- ✓ No hair dryers, irons, kettles or heaters: they gobble power.
- ✓ Take short showers: electric pumps bring the water to you.

Detective question: why can you still switch on a light at night, when the sun has gone down?

The batteries saved the sun's energy during the day!