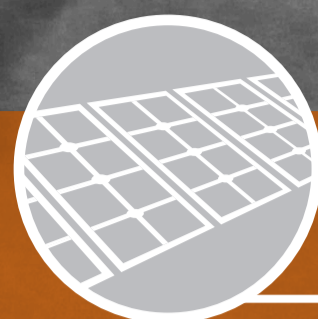


Doornkop: showcasing sustainable solutions.



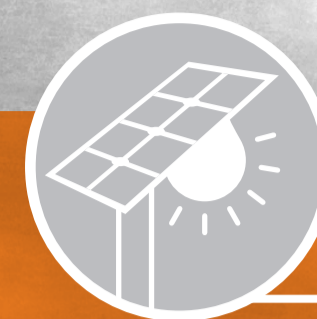
SOLAR PV SYSTEM

We have **72** solar panels of **250 W** each, which provide a potential capacity of **18 kW**. The PV system is connected to six inverters and **32** batteries with a total storage capacity of **48 V**. The solar panels and batteries provide electricity for use at our centre.



SOLAR WATER HEATER

Using the energy from the sun, our solar water heater provides hot water to our centre. While it helps us to save on electricity, it also reduces **CO₂** emissions by **2,8 tons** per year.



SOLAR STREET LIGHT

Our solar street light has a PV panel, battery and LED lights that use the **energy of the sun** to provide us with light at night.



CEILINGS

We have installed ceilings in the crèche and old age centre because this provides **insulation** to keep our centres warmer in winter and cooler in summer.



MOBILE LED SOLAR LIGHTS

Our mobile LED solar light is an eco-friendly, energy-efficient, robust light that demonstrates the concept of solar PV. After charging it for one day we can use it for up to **48** hours. We can even use it to charge our cellphones.



WONDERBAGS

Our Wonderbag is made in Africa for Africans. It helps us with cooking in a safe and no-fuss way. It reduces energy costs and the amount of water needed for cooking. It saves **1 ton** of **CO₂** per household, per year.



COMPOST CONTAINERS

We use our counter-top compost containers in the kitchen for collecting organic waste. From fruit peels and pips, to vegetable peels, tea bags and egg shells. It all goes back into our gardens to provide **nitrogen-rich compost**.



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MUNICIPALITY:



PROJECT PARTNERS:

MEDIA PARTNER:



SUPPORTING PARTNER:



SERVICE PROVIDERS:



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