



**REHEAT.AFRICA**

**Smart Solar Savings**

**Affordable PV Heating**

# WHO WE ARE



Our mission is to make solar make more sense

## Innovative

Cutting edge of innovation

## 1<sup>st</sup> Ever

To offer PV Heating in RSA

## +85-YEARS

Cumulative team XP in Energy

## Patented

Innovative Technology

## Local

Locally made, with local support

# THE ENERGY DILEMMA



Tariff increases above inflation leads to ever increasing living costs.



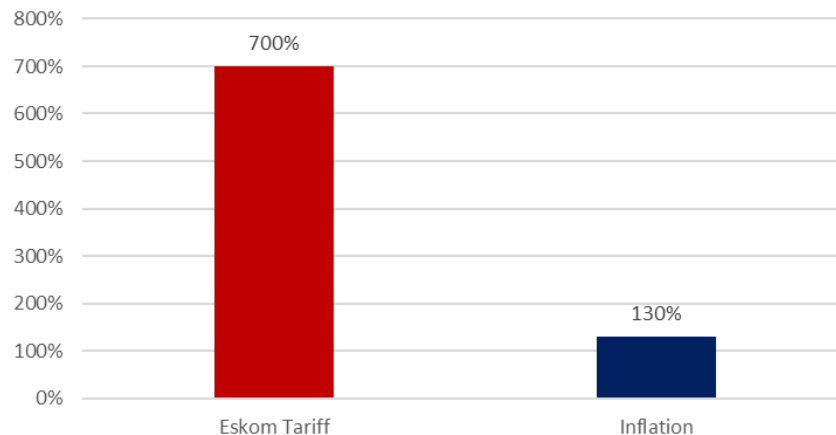
The sun shines when you are not at home using it.



Solar and battery backup systems are complex and very expensive.



Eskom Tariff Increase Vs Inflation (2007 - 2023)



UP TO **50%**

of household energy cost is for water heating

What it costs to heat a 150L Geyser once

Cape Town

**R 27**

Johannesburg

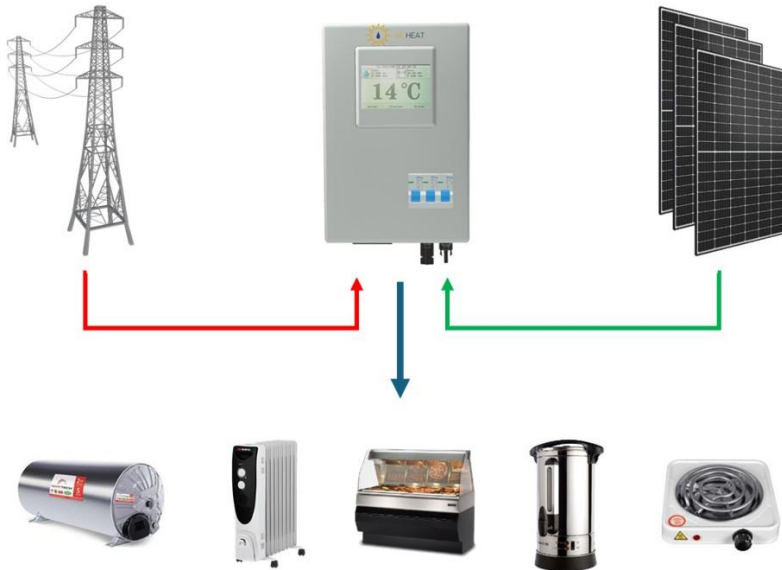
**R 22**

\*inclusive of VAT per heating cycle from 20°C to 65 °C  
excluding standing losses



# THE ANSWER & SOLUTION

We retrofit **solar** power directly to your **water heater** affordably



Lowest cost solar PV application



Save from the first month

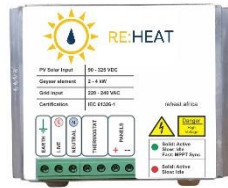


State of the art technology



Full control and personalisation

# FLEXIBLE SOLUTIONS THAT ARE BUDGET FRIENDLY



## ReHeat Mini

- Perfect for apartments / duplex / affordable housing
- Ideal with 900W – 1500W solar
- Uses digital DB timer
- Easy to install
- Lowest cost option



## ReHeat Smart

- Integrated touchscreen
- Integrated digital timer
- On screen usage display and digital temperature display
- Backup Li-ion battery for loadshedding to power screen
- Integrated PV fuses, breaker & transfer switch
- Plug & Play MC4 solar connectors
- Ideal for 150L – 200L geyser
- Ideal with 1500W – 2000W solar

# AVAILABLE IN FULL KITS WITH ALL COMPONENTS

## PV Solar Geyser

900 Watt - 50L or 100L geyser kit



2 x 450W Panels  
PV controller  
Installation Components

## PV Solar Geyser

Smart Kit 150L Geyser



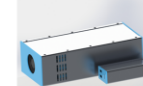
3 x 500W Panels  
PV controller + smart connect  
Installation Components



## COMING SOON

### PV Inverter

Battery-less PV inverter



PRE-ORDER SOON

500W transformer based  
Pure sinewave  
Off-Grid PV inverter  
Optional battery Charger

COMING 2024

### Re:Vert Optimizer

Solar Management System



PRE-ORDER SOON

Manages your inverter / battery  
and appliances to save you money.

COMING 2024

### Smart Timer

Touchscreen Geyser Timer



PRE-ORDER SOON

Schedules geyser with timer. Can  
be used on other appliances

COMING 2024

# SOLAR PHOTOVOLTAIC AS BEST CHOICE

	Solar Thermal heating	RE:HEAT Solar PV water heating
<b>Application</b>	Can only heat	Can generate electricity for future diversification
<b>Heating application</b>	Only heat fluid	Heat any resistive element with a thermostat
<b>Space requirement</b>	Lower 1.5 – 3m <sup>2</sup>	Higher 6 – 10m <sup>2</sup>
<b>Installation components</b>	High	Low
<b>Adjustable installation</b>	NO - fixed	YES – easily adjusted
<b>Installation flexibility</b>	Restricted – copper tube connection considerations	Flexible – DC cables connect collector to heating element and can be installed up to 50m away
<b>Collector placement restriction</b>	Highly restricted	Limited restrictions – e.g., ground mountable, free standing, install up to 50m from water storage tank
<b>Ease of installation</b>	Difficult – Plumbing	Easier
<b>Infrastructure change</b>	Yes	No
<b>Typical manufacturing warranty</b>	5 – years excluding glass	12 year on PV panels
<b>Energy production guarantee</b>	NONE	25 year linear >80%
<b>Pressure suitability</b>	Specific	Agnostic
<b>Freeze risk</b>	High	NONE
<b>Coincidental damage risk</b>	High	LOW
<b>Maintenance</b>	High	NONE
<b>Scale Buildup</b>	Yes	NO
<b>Savings measurable</b>	NO	YES



# ENVIRONMENTAL IMPACT

2572 Kg

\*Carbon offset per system per year

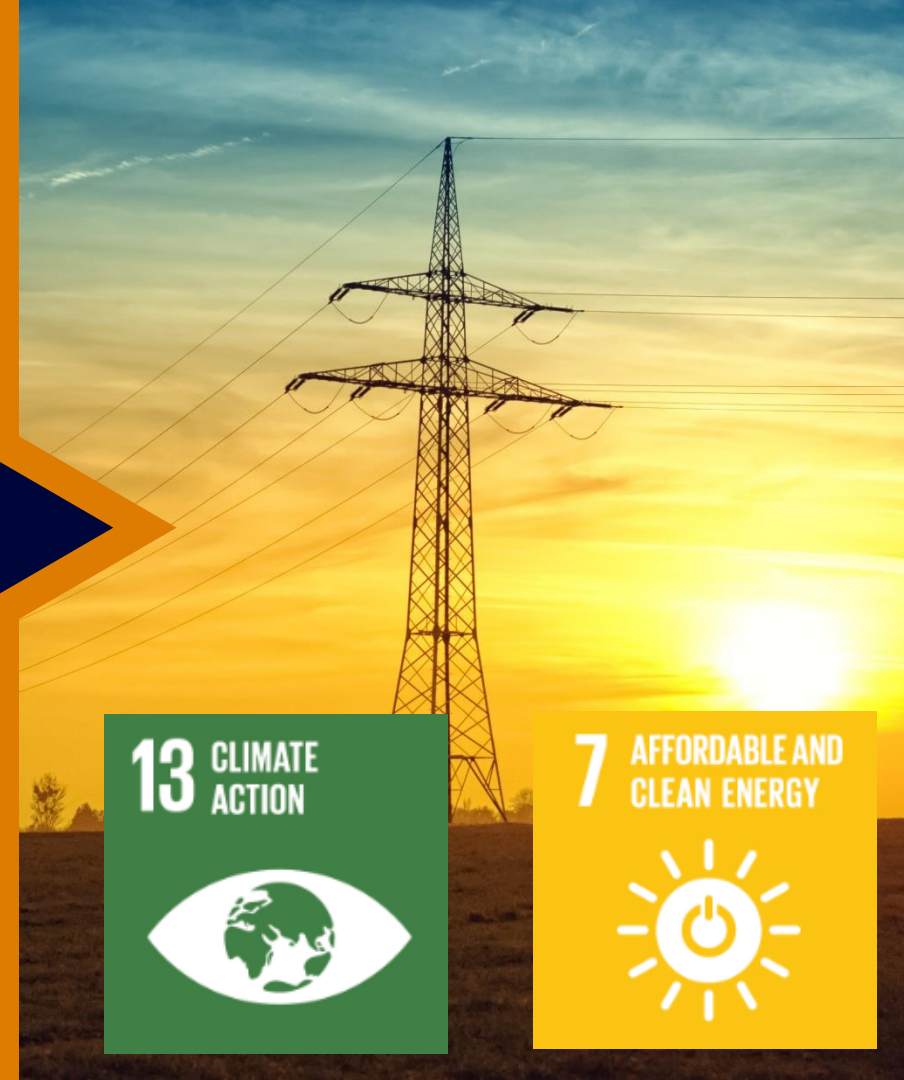
12,8 Ton

5-year CO2 reduced per system

\*based on Eskom Carbon Emission factor of 1.04 tCO<sub>2</sub>e

\*\*Will differ by customer and region

\*\*\*utilisation dependent



13 CLIMATE ACTION



7 AFFORDABLE AND CLEAN ENERGY

