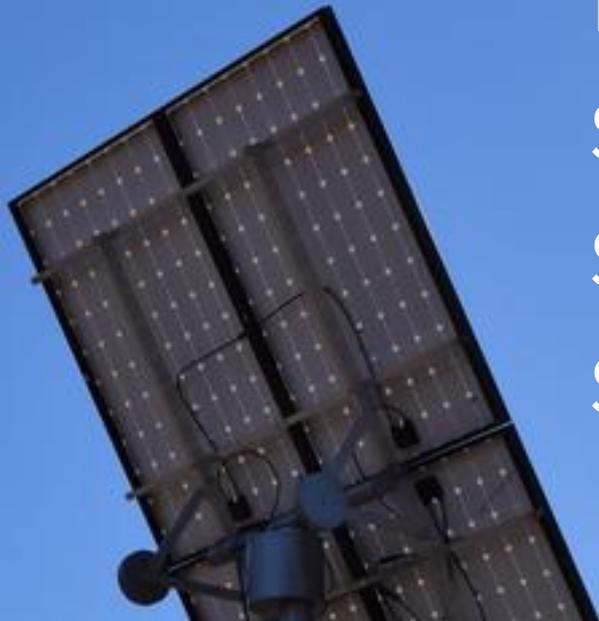
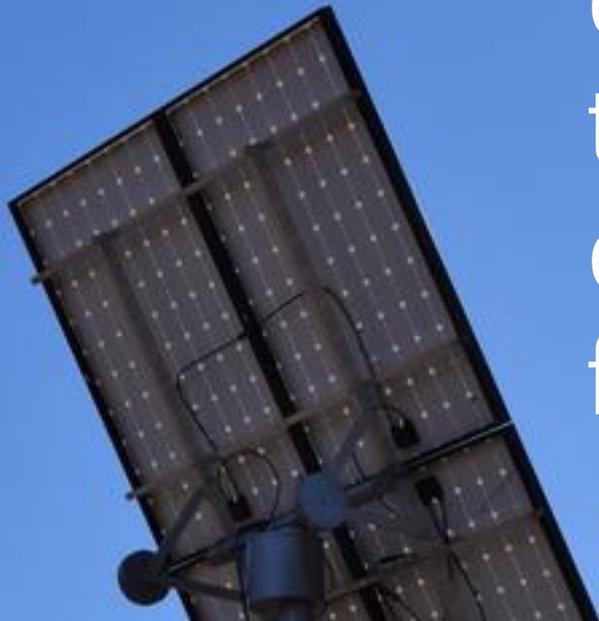


This is what you need to know about why it is so much better to generate solar power with a tracking system rather than with stationary panels.



Number 1:
Because panels that
continuously turn to face
the sun will always produce
electricity at full capacity –
from sunrise until sunset!



Number 2:
Because any concerns about the structure and orientation of your roof become irrelevant: the solar tracker is installed on the ground.



Number 3:
Because it is so much easier
and cheaper to install a
tracker on the ground than
panels on the roof: no need
for scaffolding, or lifting
equipment.





We claim: a Heliomotion Home Solar Power Plant is the most efficient and economical way to power your house with solar.

Read on for more...



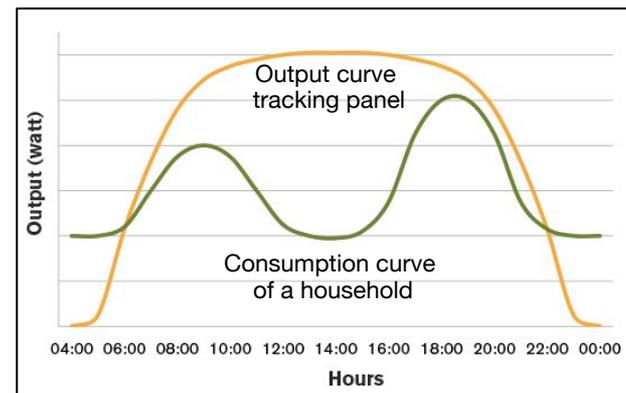
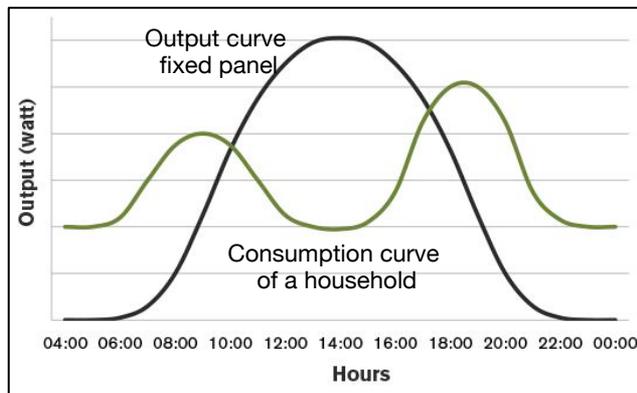
A household consumes the most electricity in the morning and in the late afternoon - early evening. So this is when you should produce solar power!

The output of fixed solar panels on a roof facing south follows a **sinus shaped curve** starting slowly in the morning, **peaking at solar noon**, and immediately beginning its descent towards evening.

A Heliomotion continuously turning to face the sun **starts generating electricity much earlier** in the morning than fixed panels, and will continue to do so until **much later** into the evening.

The **extra kilowatthours** produced by the Heliomotion coincide very nicely with the **peaks in the consumption curve** of the typical household: first peak in the morning and second peak late afternoon - early evening.

With fixed solar panels it is quite likely that the household will have to **buy electricity from the grid** during those peaks even though they actually produce their own solar electricity - but at **the wrong time of day!**





A Heliomotion is faster, easier and cheaper to install than panels on a roof.



A Heliomotion is **straightforward to install** with no need for scaffolding or lifting equipment.

The Heliomotion is delivered as a **complete installation kit** on one pallet, and includes an illustrated, detailed assembly guide. The composition of the kit is optimised for maximum ease of handling, with no single piece weighing more than 25 kg.

If you move house you can **take the Heliomotion with you**. If you leave it behind, you **enhance the value of your house**.

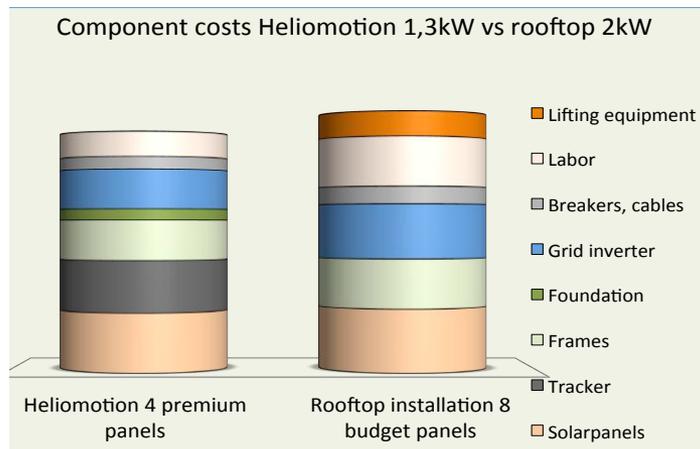
Buying a Heliomotion makes economical sense in more ways than one.

Initially, due to its straightforward installation on the ground, the buyer of a Heliomotion will have much **lower installation** costs than with a roof installation of comparable size. Faster installation time, less manpower required, no scaffolding and lifting equipment required etc.

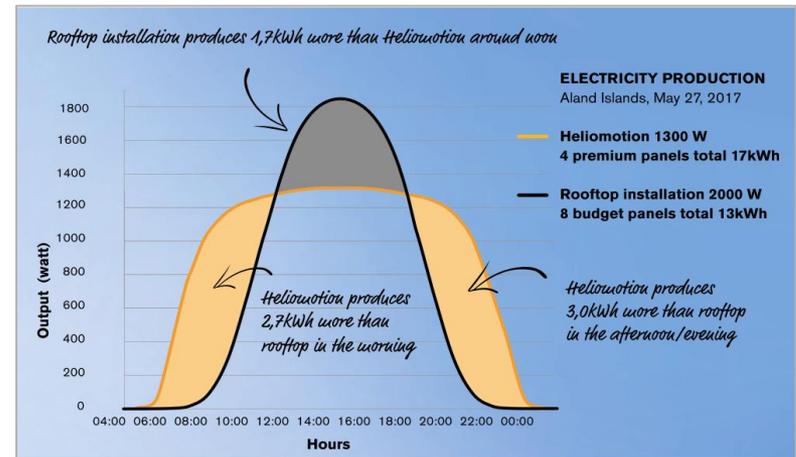
In operation, the homeowner benefits from the tracking function of the Heliomotion, because the Heliomotion will **produce the same amount or even more electricity** (measured in kWh) during the day than a 50% larger fixed installation (measured in kWpeak).

Most importantly: the **electricity produced by the Heliomotion** is evenly distributed over the day and therefore **more useful to the homeowner** as it matches the consumption better than a fixed installation.

A premium 1.3 kW Heliomotion **makes more economical sense** than a considerably larger rooftop installation using budget equipment.



A 1.3 kW Heliomotion **produces more kWh** during the consumption peaks in the morning and in the late afternoon than a 2 kW rooftop budget installation





Due to its versatility, ease of use and installation, a Heliomotion can be used for many different purposes:

To power residential homes.

For charging electrical vehicles.

By companies looking for ways to display their commitment to sustainability.

To supply power for holiday buildings and cabins in remote areas.

For backup power in cell towers, telecom stations.

For mobile use in various government and non-government purposes.

For rapid deployment in disaster relief situations.

Technical info: Heliomotion holds 2-6 high performance, high durability monocrystalline solar panels featuring 20.3% efficiency.

- Grid-tied with inverter.
- Off-grid with deep-cycle gel batteries.





Our Heliomotion models available September 2018

Heliomotion PV-650:

5-7 kWh per sunny day

Up to 1000 kWh/year in Northern Europe

Up to 1500 kWh/year in Southern Europe.

The Heliomotion automatically determines the sun's location from anywhere in the world using **GPS** and internal calculations.

It rotates **180° horizontally** and **15° to 70° vertically**.





Our Heliomotion models available September 2018

Heliomotion PV-1300:

10-17 kWh per sunny day

Up to 2000 kWh/year in Northern Europe

Up to 3000 kWh/year in Southern Europe.

The Heliomotion automatically determines the sun's location from anywhere in the world using **GPS** and internal calculations.

It rotates **180° horizontally** and **15° to 70° vertically**.





Our Heliomotion models available September 2018

Heliomotion PV-2000:

15-22 kWh per sunny day

Up to 3000 kWh/year in Northern Europe

Up to 4500 kWh/year in Southern Europe.

The Heliomotion automatically determines the sun's location from anywhere in the world using **GPS** and internal calculations.

It rotates **180° horizontally** and **15° to 70° vertically**.



Charge your electric vehicle with Heliomotion

EV + Heliomotion



Small-mid size EV price: 40'000 €
Small-mid size EV consumption: 13 kWh/100km

Heliomotion 4-panel PV-1300 solar production:
2500 kWh/year, 14 kWh/day.

Heliomotion annual solar production equals
up to 20'000 solar driven kilometers.

Heliomotion 5-10'000 Euro, depending on number of
panels and size of battery pack.



Small-mid size petrol engine car: 25'000 €
Petrol consumption: 7 liters/100km

20'000km/year equals 1400 liters petrol
 $20'000 \text{ km} * 110 \text{ g/km} = 2,2 \text{ ton CO}_2$



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