smartflower POP – the world's first all-in-one solar system

- All-in-one solar solution without complex installation (plug & play).
- Efficient power generation: up to 40 % more yield thanks to smart tracking, with needs-based precision whenever you require electricity.
- Smart cooling and smart cleaning prevent the usual losses caused by heat and dirt accumulation by up to 15 %.
- Ideal when your roof is no solution (orientation, design, rented house): smartflower POP is independent of location and can be dismounted and taken with you when you move house.
- Top quality from Austria and excellent service from your retailer.

SIMPLY SET-UP, CONNECT AND PRODUCE CLEAN ELECTRICITY

smartflower™

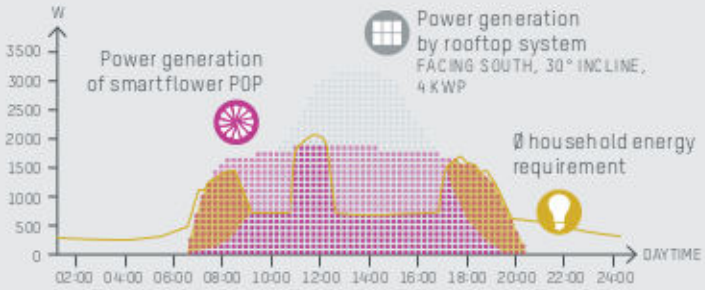
Simply smart. Simply efficient. For twice the degree of self-utilisation

A SYSTEM THAT FITS YOUR NEEDS

The all-in-one solar system is automatic and extremely efficient thanks to its remarkable design and perfectly matched components. Easy to install, it takes only one hour to set the system up ready for use. Innovative smart features achieve maximum yield and more efficient use of the power generated. Thanks to smart tracking, the smartflower POP folds out automatically every morning and tracks the sun during the day with its 2-axis controller. This raises yield by up to 40 % compared to a roof mounted system which only points at the right angle to the sun for only a few hours a year. Smart cleaning and smart cooling also prevent the usual losses caused by heat and contamination accumulation by up to 15 %. The system then yields 3,400–6,200 kWh/a depending on the region – and this covers the complete average electricity requirements of a household in Central Europe.

SMARTFLOWER POP COMPARED WITH A STATIC ROOFTOP SYSTEM*

smartflower POP has a considerably longer peak phase and produces energy even in the fringe hours of the day, which a rooftop system cannot achieve because of its static alignment to the sun. smartflower POP achieves a degree of self-utilisation of around 60 % – a significant improvement over a comparable rooftop unit, which averages just around 30 %.



*Basis of calculation: a typical July day in London

SMART USE · SMART TRACKING · SMART CLEANING · SMART COOLING · SMART SAFETY · SMART MOBILITY · SMART OPTIONS

FIND OUT MORE ABOUT OUR SMART FEATURES AT WWW.SMARTFLOWER.COM

EFFICIENCY GAIN THROUGH SMART FEATURES

	SMARTFLOWER POP 2.31 kWp	ROOFTOP SYSTEM 4 kWp
Power output as per PVGIS[1], Location London	3,270 kWh	4,000 kWh
LOWER YIELDS		
Deviation from facing south and roof slope (possible up to 12 %)	smart tracking	-3%
Higher module temperature, low dissipation of heat, heat build-up	smart cooling	-5%
Contamination (e.g. by sand, salt, dust, snow)	smart cleaning	-3%
REVISED OUTPUT	**3,270 kWh**	**3,560 kWh**
Degree of self-utilisation	60 %	30 %
Energy consumed by owner	1,962 kWh	1,068 kWh
Efficiency gain by personal consumption	184 %	

[1]PVGIS: Photovoltaic Geographical Information System, http://re.jrc.ec.europa.eu/pvgis/
For rooftop systems, static alignment to the sun, heat build-up and decontamination lead to a lower output than the one stated as theoretically possible at the location.

smartflower™
DISTRIBUTOR