

Become more  
**independent of  
the power grid**  
than ever  
before

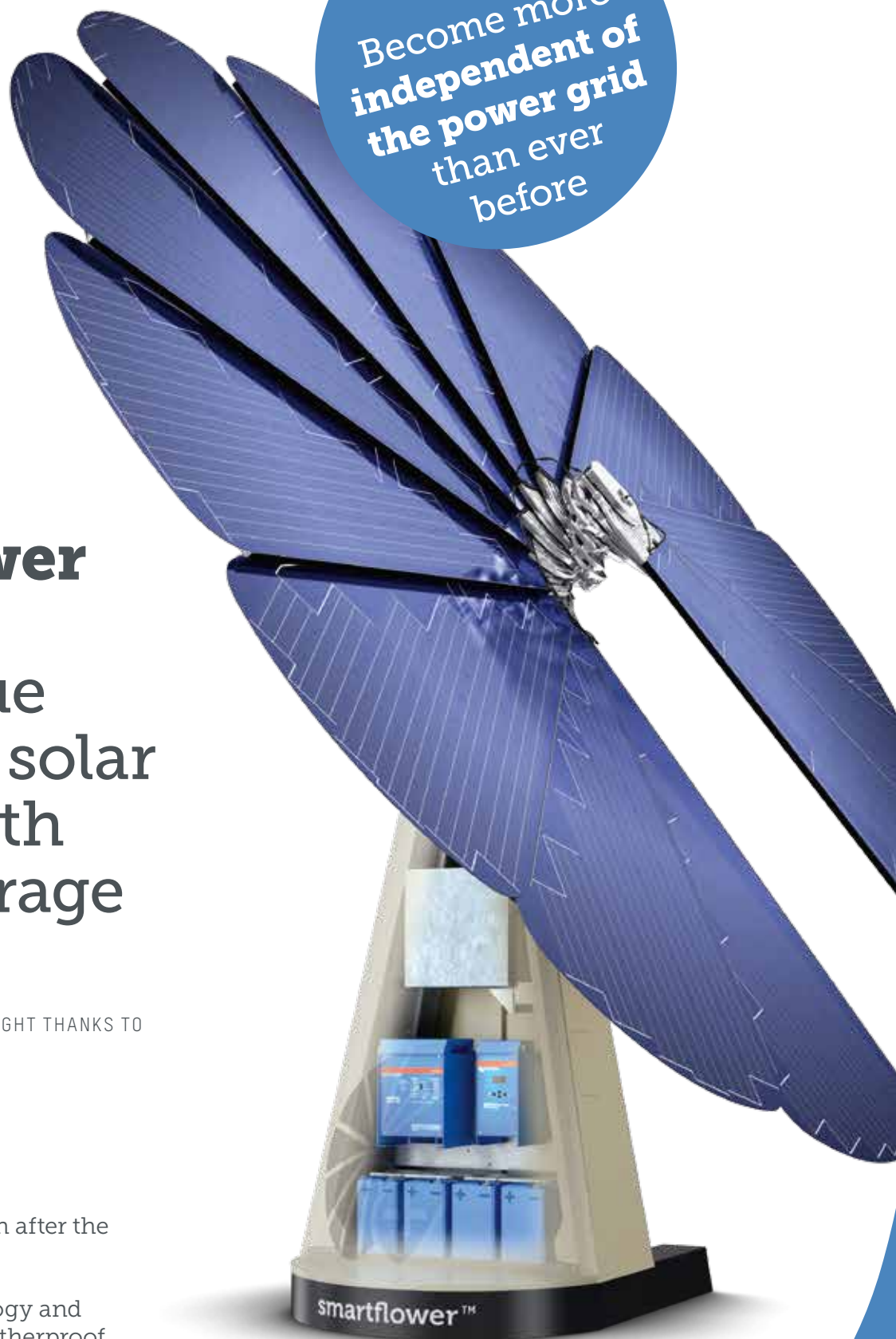
# smartflower POP+

The unique  
all-in-one solar  
system with  
power storage

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POWER FROM THE SUN DAY AND NIGHT THANKS TO  
INTEGRATED STORAGE SOLUTION

- ✓ Clean solar power even after the sun goes down
- ✓ Sophisticated technology and intelligent design; weatherproof, high-yielding and long-lasting
- ✓ On-grid and off-grid, in two storage sizes
- ✓ Back-up system for power cuts



SIMPLY SET UP, CONNECT AND PRODUCE CLEAN ELECTRICITY

smartflower™

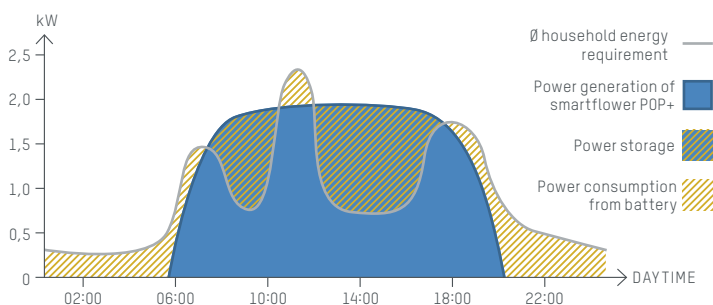
# Enjoy the energy of the sun. Around the clock, almost independently of the grid

GENERATE POWER, STORE POWER: LIVE AS YOU PLEASE.

Clean solar power, whenever you need it – until now it has just been a pipe dream. Now you are closer than ever to realising that dream, because smartflower POP+ can not only turn the sun's energy into electricity very efficiently; it can store it in sufficient quantities too. Completely integrated in an innovative all-in-one solar system that works on a plug-and-play principle like any normal household appliance. Either as an on-grid version with 2.3 kWh of storage or fully independently as an off-grid version with a storage capacity of 4.6 kWh. And the intelligent tracking function of the PV modules ensures that the system makes the most efficient use of the sun's energy at all times of the day and year, while the battery is continuously recharged. So you can even enjoy cloudy days with a bright smile on your face.



## UP TO 100 % AUTONOMY



The chart shows clearly that smartflower POP+ generates significantly more power than is used over the course of the day. This surplus power is stored and so is available to cover spikes in consumption, periods of bad weather or evening use.



Everything under control: you can keep an eye on your current production, storage and consumption data at all times via a local network and the internet.

## IMPRESSIVE PERFORMANCE FIGURES

	POP+ ON-GRID (Can operate without mains power)*	POP+ OFF-GRID (Stand-alone solution without grid)
Nominal capacity solar system	2.31 kWp	
Power output through bi-axial sun tracking	3,400–6,200 kWh / a depending on the region	
Battery capacity	2.3 kWh (2 cells)	4.6 kWh (4 cells)
Battery technology	LiFePO4 with integrated battery management system	
Battery lifetime	5,000 cycles (50% discharge)	
Battery charging	92% (full cycle)	
Operating temperature range	-20°C to +50°C	
Output power	6000W (peak), 3000W (constant output @25°C)	
Inverter output efficiency	95%	
Grid compatibility	230 VAC +/-2% / 50 Hz +/-0.1% or 120 VAC +/-2% / 60 Hz +/-0.1%	
Weight of total system	approx. 770kg	approx. 800kg
Installation	2 AC connections (1 AC input & 1 AC output)	1 AC connection (AC output)
Battery guarantee	5 years	
Monitoring	System monitoring via LAN/ WLAN/web interface	

\* As an energy source in the event of a power cut

Find out more about the innovative functions of the entire smartflower POP product range with unique smart features at [www.smartflower.com](http://www.smartflower.com).



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