

smartflower POP-e

Harvest the sun – fill up with electricity

Solar system
combined with a
charging station
for electric
vehicles

THE UNIQUE ALL-IN-ONE SOLAR SYSTEM WITH INTEGRATED
CHARGING STATION



- ✓ Clean solar power for your own use or to feed into the grid
- ✓ Charging station in attractive design
- ✓ A clear commitment to sustainability and e-mobility

SIMPLY SET UP, CONNECT AND PRODUCE CLEAN ELECTRICITY



smartflower™

The world's first all-in-one solar system combined with a charging station for electric vehicles

SHOW WHAT YOU STAND FOR. AND SWITCH TO E-MOBILITY.

To generate clean solar power and promote emission-free mobility at the same time – that is the idea behind smartflower POP-e. It combines the unique all-in-one solar system with a high-performance charging station for electric vehicles. With its 18 m² fan of solar modules smartflower POP-e generates an average of approx. 4,000 kWh/a* of power – up to 40% more than a roof-mounted system of a comparable size. The electricity is either used directly or fed into the public grid, where it supports the integrated charging station, which can be used to charge both e-bikes and electric cars with a power supply of up to 22 kW. Its unusual design makes POP-e a real eye-catcher, which acts as a green “business card” for forward-looking municipalities and companies. In public places, conventional filling stations, shopping centres or company premises – smartflower POP-e is an innovative service concept for residents, customers and employees and sends a highly visible and credible signal that sustainability is being put into practice here.

*Average figure for sites in Central Europe

SAMPLE APPLICATION



MUNICIPALITIES

Solar charging stations as a public service and strategic contribution to boosting e-mobility



SHOPPING CENTRES

Prominent eye-catcher and service for your customers: charge e-bikes and electric cars while they do their shopping



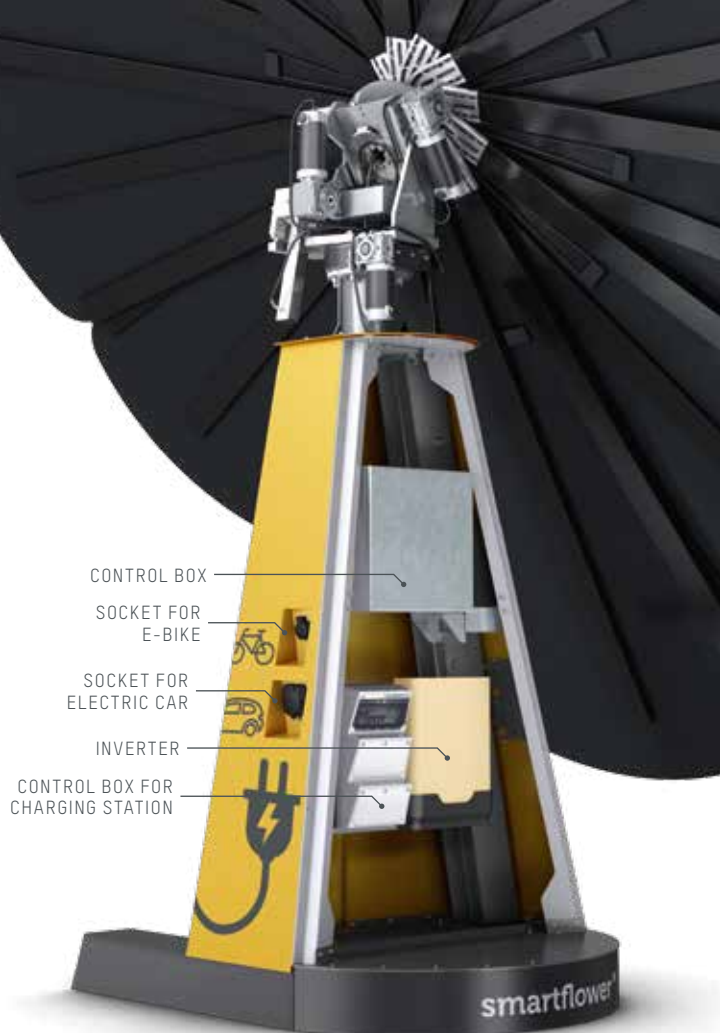
HOTELS AND RESTAURANTS

Attractive charging station for e-bikes or an electric shuttle bus – real added value for your guests



COMPANY

Perfect solution for your electric vehicle fleet or employees' own electric vehicles



- CONTROL BOX
- SOCKET FOR E-BIKE
- SOCKET FOR ELECTRIC CAR
- INVERTER
- CONTROL BOX FOR CHARGING STATION

POP-e

Nominal capacity solar system	2,31 kWp
Power output through bi-axial sun tracking	3,400 – 6,200 kWh/a depending on the region
AC power output	Up to 22 kW
AC input	400V (3p+N+E), 32A
Sockets	Type 2 (IEC 62196) for electric cars 230V socket (CEE 7/3) for e-bikes
Safety features & RCCB	Integrated, RCCB Type B
Weight	Approx. 700 kg

SUSTAINABLE AND EFFECTIVE USE OF SPACE



Its comparatively compact footprint means the POP-e can be integrated easily into an existing parking space. Installation is by means of a concrete foundation or ground bolts, depending on conditions.

Find out more about the innovative functions of the entire smartflower POP product range with unique smart features at www.smartflower.com.



smartflower™