

THE WORLD'S FIRST ALL-IN-ONE SOLAR SYSTEM



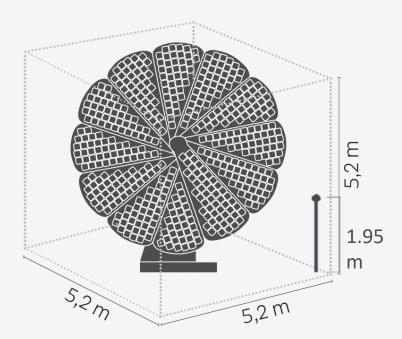


PRODUCT OVERVIEW





SMARTFLOWER – ALL-IN-ONE SOLAR SOLUTION



- Grid connected all-in-one solution (1 or 3 phase)
- Nominal output: 2.5kWp
- Yearly output with 2-axis tracking:
 5.000-6.000 kWh
- Operating area: 5.2 x 5.2 x 5.2 meters
- Operating temperature range: -20°C to +55°C
- System weight: 700kg
- Certification: UL, CE
- System warranty: 2 years (parts & labour)



SMARTFLOWER - AVAILABLE COLORS

Standard colors



Porcelain | RAL9001



Pearl | RAL9006

Custom colours (RAL) available on request for an additional cost. Some popular



Jungle RAL6010



Lavender E4-570M



Ocean RAL5007



Berry E4-520M



Mermaid E4-720M



Amber E4-260M



- Albania
- France
- Mexico
- Switzerland

- Ghana
- Netherlands Thailand

- Greece

- Oman
- UAE

- Portugal

- Canada
- Qatar

- Chile
- Ireland
- Saudi Arabia USA

- Czechia
- Slovenia

- Denmark
- Spain

- Finland
- Malta/Gozo
- Sweden







Toyota Manufacturing, West Virginia, USA, installed Fall, 2022 Installed in March 2023 at DKV
Mobility's headquarters
in Ratingen, Germany.















Siemens Canada





Roskilde Festival, July 2019
"As part of Carlsberg Group's sustainability programme, Together Towards ZERO, we are targeting 100% use of renewable electricity by 2022 – a target we already meet in Western Europe today. Therefore, Tuborg in Denmark found it relevant to continue that journey with Roskilde Festival, who has been a close partner for many years and who is also committed to sustainability... we thought the SmartFlower was a great way to highlight the importance of renewable electricity."

— Christian Sveigaard, Head of Tuborg in Denmark.







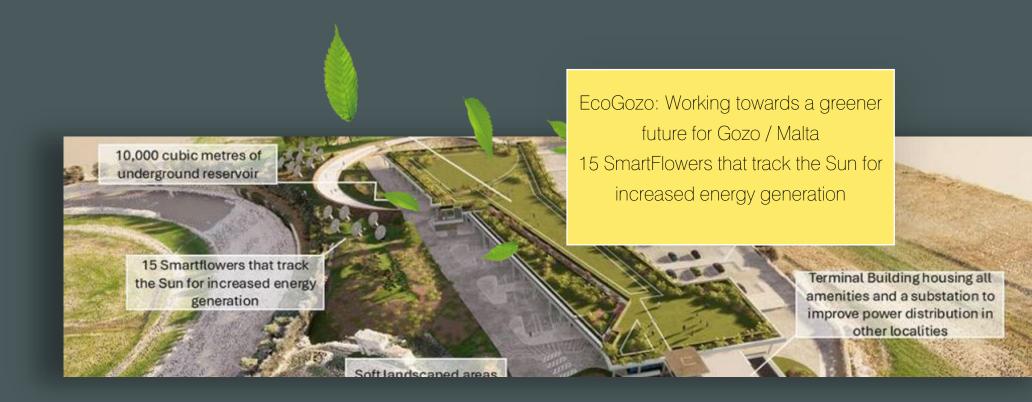
3 SmartFlowers installed by Adidas in Munich, later moved to their HQ in Germany



Meinberg Funkuhren GmbH & Co KG., Bad Pyrmont, Germany, installed in 2022









BRANDING POTENTIAL - WRAPS

Sponsorships

- Sponsors can pay to have their names/logos displayed on a wrap
- Wrap can be redone periodically to allow for new sponsors

Advertising

- Advertisers can pay a fee to advertise their product, service or event on a wrap
- Treat it like a billboard: You can charge a CPM (cost per mile/thousand impressions) for an ad on the SmartFlower



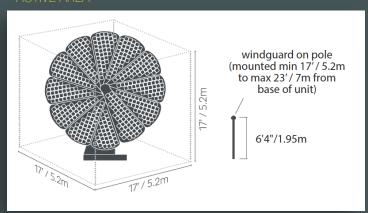




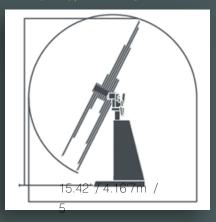


DIMENSIONS

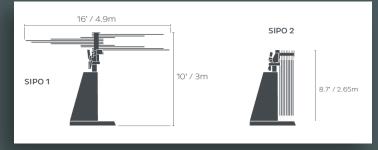
ACTIVE AREA



TRACKING, MAX. HEIGHT



SAFETY POSITIONS







SYSTEM GENERAL DATA

Nominal power output 2.5 kWp

Annual output with 2-axis tracking 5,000—6,000 kWh*

System self-consumption per year Approx.400 kWh

System warranty 2years parts and labour

System certifications UL 3703, CE

SOLAR MODULE

Panel type Glass / Backsheet
Cell type Monocrystalline PERC
Panel product warranty 2 years
Array configuration 12 module, single string

OPERATIONAL CONDITIONS

> 17.5 m/s (40 mph/63 kph)

Operational temperature range 20°C to 55°C

Humidity 0—95% (non condensing)

Automatic wind protection system See "Safety Positions"

Wind speed ** Sun tracking SIPO1

< 13 m/s (29 mph/47 kph) SIPO2

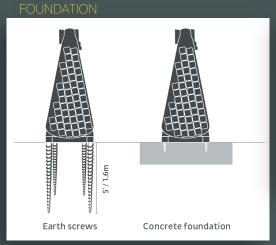
INVERTER DATA

Integrated with unit
Nominal frequency 50Hz / 60Hz
Available grid settings Single-phase, UL, 208V / 240V
Single-phase, 220V / 230V
Three-phase, 220V / 380V or 230V / 400V

Specific inverter determined by region and grid. For additional inverter details, contact a SmartFlower sales representative



INSTALLATION DRAWINGS







~2095lbs | ~950kg

SMARTFLOWER TECHNICAL DATA

ELECTRICAL CONNECTIONS

1P UL, 240/208V 1~ NPE (L1, L2, N, PE)

1P 220/230V 1~ NPE (L, N, PE)

3P 220/380V or 230/400V 3~ NPE (L1, L2, L3, N, PE)

Grid connection (circuit breaker) ***

1P UL, 208/240V 20A

1P 220/230V 16A

3P 220/380V or 230/400V

INSTALLATION

Mounting 4 fastening points

Assembly Earth screws, concrete foundation,

or a pre-cast concrete pad****

REMOTE MONITORING

LAN cable CAT 5e or better with RJ45 Connector Off-grid / remote location Cell network enabled kit (optional)

SYSTEM ORIENTATION

Northern Hemisphere Modules must face south
Southern Hemisphere Modules must face north

SYSTEM WEIGHT AND DIMENSIONS

<u>System weight</u> ~700 kg

Shipping dimensions (in | mm):

Total shipping weight (Horizontal)

Vertical packaging $65 \times 47 \times 106 \mid 1650 \times 1190 \times 2680$ Horizontal packaging $111 \times 46 \times 73 \mid 2800 \times 1160 \times 1850$ Total shipping weight (Vertical) $\sim 1950 \text{ lbs } \mid \sim 885 \text{ kg}$

- * Dependent on geographical location and weather
- ** Wind speed threshold can be adjusted from 5 m/s to 13 m/s (11 mph to 30 mph/17.5 kph to 47 kph)
- *** Local standards must be followed
- **** Recommendations may vary based on local jurisdiction and soil conditions





Catch every last ray of sunlight.

The smart tracking system is the core of SmartFlower's brilliance. Every morning at sunrise, SmartFlower automatically unfolds. The dual-axis system allows SmartFlower's solar panels to follow the sun across the sky throughout the day, always maintaining the optimal 90° angle. This makes SmartFlower produce up to 40% more power than a conventional solar system and capable of producing up to 6,500 kWh/year, depending on your location.



Simple.

Control your SmartFlower and monitor your energy production from the comfort of your phone with our remote monitoring app.



Efficien

Our certified SmartFlower technicians can set it up in just a few hours, providing you with immediate energy independence.



Independent

Self-cleaning and convection cooling keep SmartFlower running at maximum efficiency.



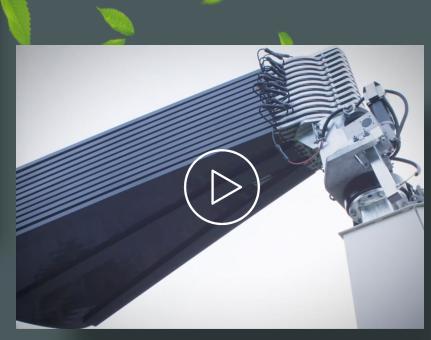
Elegant.

Unique and powerful features packaged in an award-winning design.



PROMO VIDEOS











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