



A move forward with
high-performance,
sustainable solar solutions



EXTERNAL VERTICAL
SCREENS



ROLLER
SHUTTERS



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Solar power

a world of opportunities

Boost your sales
with Somfy solar-powered motors.

In 2024, Europe reached 1.6 million* solar-powered motor installations for external vertical screens and roller shutters. Synonymous **with rapid installation without electrical connections**, these products are increasingly popular for end-users.

Customers are growing more aware of the benefits of motorised solar protection, such as energy efficiency and reduced consumption for heating and cooling, encouraging them to equip their windows.

To support this trend and satisfy renovation requests, we offer high-performance, durable solar-powered motorisation solutions for external vertical screens and roller shutters, complemented by **dedicated professional services**.

Solar-powered roller shutters in France:
a market that has doubled since 2019.

In 2024,
more than 3 out of 5 renovation shutters
in France are solar-powered.

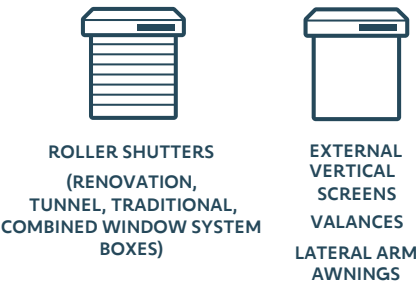
Somfy, a pioneer in the motorisation
and automation of doors and windows
for 50 years, including
more than 10 years in the solar market.

Choose sustainable and durable solar-powered motors

Our motorised solar-powered solutions for roller shutters and external vertical screens can be installed anywhere, whatever the sunlight and the exposure of the window. They are compatible with all window types and sizes.

A large range of solar solutions.

Designed to meet all market needs up to 20 Nm. Compatible with all types of blinds and shutters.



Eco-designed products.

This products has been eco-designed **to reduce its environmental footprint throughout its entire life cycle**, from the extraction of raw materials to the end of the product's life. We place particular focus on the phases with the greatest environmental impact.

Our approach is based on **four criteria**:

-  **Long life battery**
(for products using the Long Life battery).
-  **Easy disassembly** for maintenance, repairs and recycling.
-  **Majority of recycled, renewable and recyclable materials for product packaging.**
-  Verification by an external laboratory that **raw materials and substances** used comply with environmental and health requirements.
Environmental product declaration.



Products that meet these standards are awarded the PEP Ecopassport®, which assesses our rigorous environmental impact calculations.



High-quality and durable components.

- 7-year warranty**
The warranty covers the entire ecosystem: motor, battery, and solar panel. For you, this ensures the reliability and durability of our solutions.
- Panels and batteries are sized and optimised**
to guarantee long-term motor performance.

BATTERIES

- Estimated lifetime:**
 - Battery: 8+ years
 - Long Life battery: 15+ years (for RS100 Solar io)
- Capacity**
Naked and stick batteries ø 23 mm: 2200 mAh
Naked battery ø 17 mm: 2100 mAh
- Operating temperature**
from -20°C to +70°C
- Rechargeable with a **universal battery charger** (optional)
- Repairable**
The battery can be easily replaced as it is independent of the motor.

SOLAR PANELS

- Estimated lifetime**
PET panel: 15+ years
Resin panel: 20+ years
- Discreet integration**
Monocrystalline resin panel or PET panel, without frame allowing direct fixing to the roller shutter box (rivets or adhesives).
- Adaptable**
Can be repositioned if light is obstructed, using extensions of 1 m or 5 m, with dedicated mounting brackets.

Benefit from unique support and guidance

For you, manufacturers.
Easy-to-integrate solutions
providing added value.

- Motors with **application-specific features** to optimise the longevity of your products.
- **Unique** battery sticks to cover all types of needs such as integration on the outside of the box or in a combined window system.
- **Integration** of panels and batteries **compatible with your existing drilling tools**.

 **Safer integration**
with the factory setting tool **EMS2**

- Step-by-step operator guidance during motor programming.
- Back-up of motor data.
- Fully customisable integration programming steps.
- Secure pairing in the workshop, free from radio interference.

For you, installers.
Support and guidance at every stage
of your site.

BEFORE INSTALLATION

 **SolarApp** immediately determines the feasibility and reliability of the solar installation in specific settings.

SolarApp carries out customised diagnostics, based on 4 criteria:

- Weather data over the last 30 years.
- Solar obstructions.
- Window orientation.
- Geolocation.

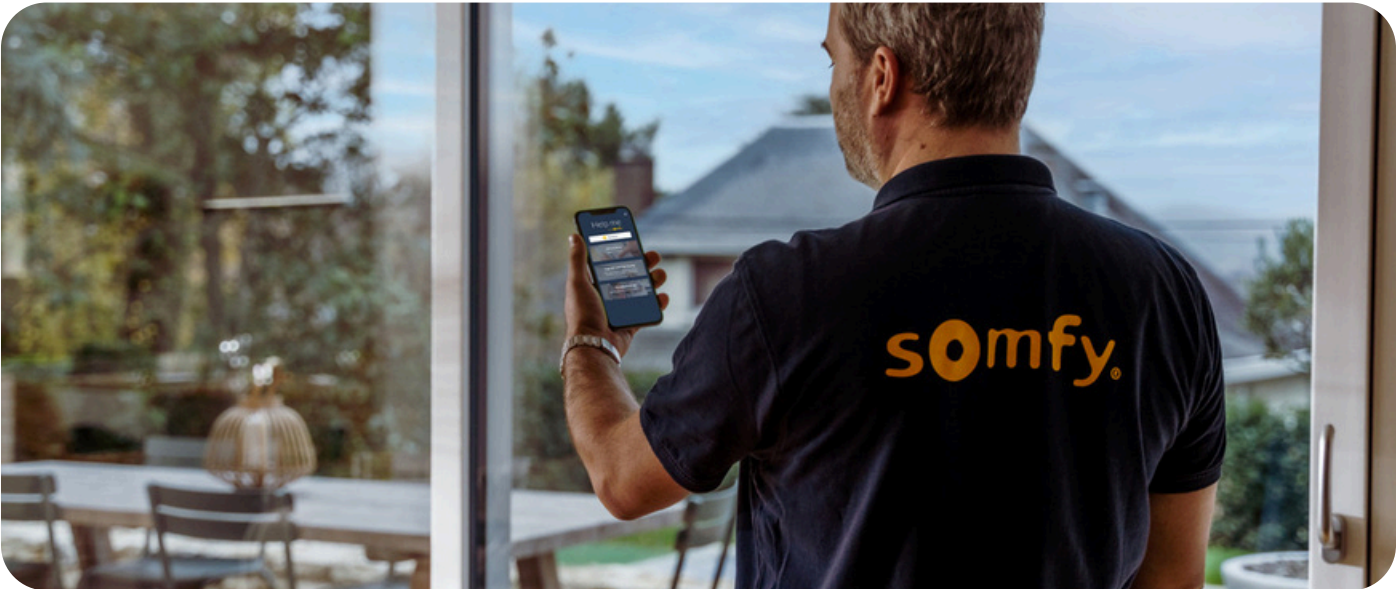
DURING INSTALLATION

 The **TaHoma® pro** app enables fast, efficient, and error-free commissioning of your connected installations.

 In addition, the **Help me** app provides access to all the installation instructions.

AFTER INSTALLATION

 The maintenance tool **Serv-e-Go®** allows for remote diagnostics to prepare your service interventions in the best possible way.



Offer users a personalised experience

Improve user comfort and energy efficiency
with connected solar protection.

TaHoma® Easy, centralised equipment management.

Connect your customers' solar protection systems with TaHoma® switch.

The TaHoma® application simplifies the management of all your home's connected equipment (gates, blinds, shutters, lighting, etc.).

This solution offers your customers comfort and convenience on a daily basis.

- Control from a smartphone or voice assistant.
- Open and/or close all the blinds/shutters in your house in a single click.
- Scenario creation.
- Remote control and monitoring of blinds/shutters.
- Battery charge level display.

Automated solar protection for more comfort and optimised energy consumption.

By offering a Somfy automation solution, you can provide concrete solutions to climate challenges such as heatwaves and cold spells. You can help your customers to reduce their energy consumption (in heating and cooling) and improve their comfort.



HOME AUTOMATION BOX

TaHoma® switch/TaHoma® app: from the TaHoma® app, program the "Thermal Comfort" scenario in a few clicks for better management of solar protection based on the orientation of the home, the season, and the time of day.



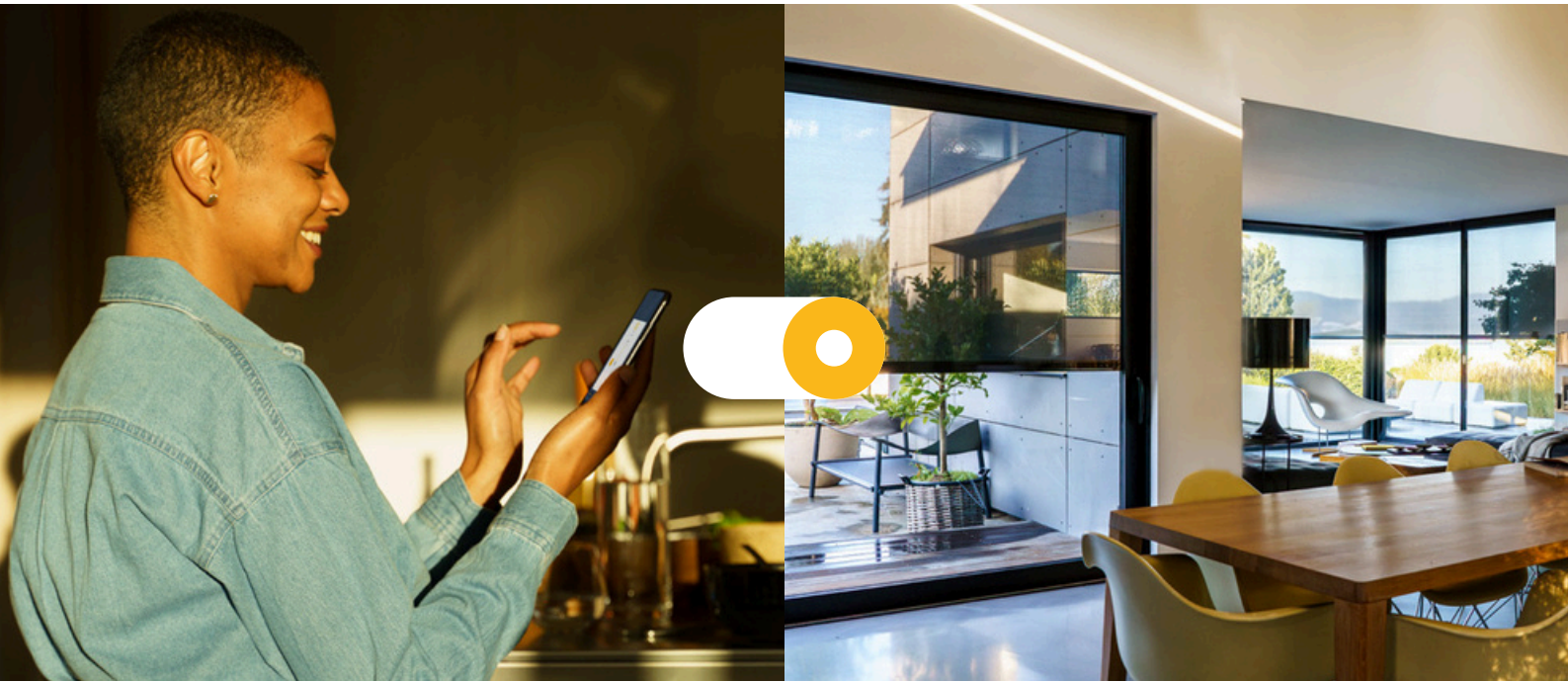
CONTROL

Amy® io: a range of control to improve summer comfort. Amy io® automatically lowers the sun protection before it gets too hot indoors, ensuring a comfortable interior.



SENSOR

Sunteis® io: an autonomous sensor for outdoor temperature and sunlight. Positioned on the façade.



OUR SOLAR SOLUTIONS FOR

roller shutters

MOTORS	BATTERIES						SOLAR PANELS		
	9.6 V		12 V		16.8 V		2.5 W	3.2 W	5.8 W
	Naked LL battery ø23	Stick LL battery	Naked battery ø23	Stick battery	Naked LL battery ø23	Stick LL battery	Resin panel		
RS100 Solar io 3/15	✓*	✓*					✓		
RS100 Solar io 6/15	✓*	✓*					✓		
RS100 Solar io 10/12	✓*	✓*					✓		
RS100 Solar io 15/12					✓*	✓*			✓
RS100 Solar io 20/12					✓*	✓*			✓
Oximo 40 Solar io 3/23			✓	✓				✓	
Oximo 40 Solar io 6/18			✓	✓				✓	
Oximo 40 Solar io 10/12			✓	✓				✓	

* Long Life battery for RS100 Solar io. Lifespan: +15 year

Solar solutions

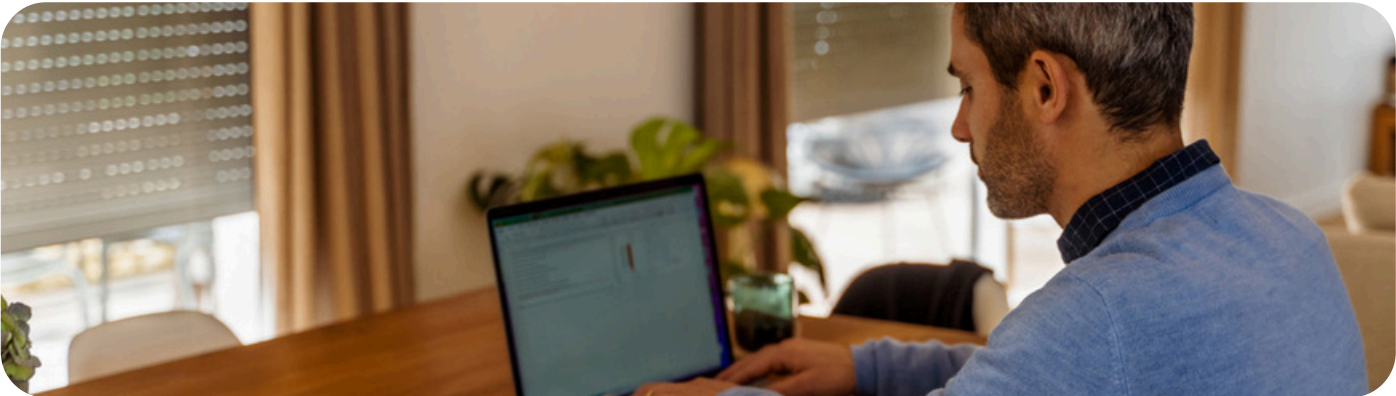
for roller shutters

Offering added value that improves user comfort and makes installation easier for professionals.

	RS100 Solar io	Oximo 40 Solar io
MOTOR CHARACTERISTICS		
Diameter (mm)	50	40
Torque (Nm)	3/6/10/15/20	3/6/10
Speed (rpm)	15 (3/6 Nm) 12 (10/15/20 Nm)	23 (3 Nm) 18 (6 Nm) 12 (10 Nm)
EASY TO INSTALL		
 Plug-and-play radio motor Automatic adjustment of end limits and direction of rotation.	✓	
 Motor reset via control point	✓	
 Automatic sleep and wake Conserves battery life during manufacturing and transport	✓	✓
 Battery charge level visible from the TaHoma® interface	✓	✓
 TaHoma® pro Verification of solar installation from the TaHoma® pro app.	✓	
Guarantee *		

* Solar-powered motorisation solution consisting of a motor, a solar panel, and a Somfy battery, when installed together exclusively.

	RS100 Solar io	Oximo 40 Solar io
ROLLER SHUTTER SAFETY AND LONGEVITY		
 Speed adjustment Reduces speed if the battery is low.	✓	
 Obstacle detection Stops if an obstacle is detected when lowering.	✓	✓
 Frost protection Stops rising if the shutter is frozen.	✓	✓
 Soft stop soft start Soft start and soft stop to protect the shutter	✓	✓
 Intrusion resistance Lifting resistance, the roller shutter can't be lifted when the curtain is lowered.	✓	✓
ENERGY EFFICIENCY AND COMFORT		
 Smart comfort Sunlight sensor built into the panel to automatically open and close the shutter based on weather conditions, optimising thermal comfort in the home. (works with TaHoma®).	✓	
 Discreet mode With discreet mode activated, the motor runs even more quietly for added comfort at home	✓	



RS100 Solar io

Long Life battery



A move forward IN SUSTAINABILITY with solar power

As powerful as ever...

→ A wide range for all types of windows

As valuable as ever...

→ A full ecosystem of dedicated professional tools and services

→ 7-year warranty

...and even more sustainable!

→ **35% reduction in carbon footprint** thanks to the Long Life battery

→ Long Life battery: **15+ year lifespan**



MOTOR



Torque (Nm)	3	6	10	15	20
Technology	BLDC				
Protocol	io-homecontrol®				
Diameter (mm)	50				
Nominal speed (rpm)	15		12		
Silent speed (rpm)	8				
Protection index	IP44				
Safety class	Class III				
Operating temperature (°C)	from -20 to +70				
Length (mm)	417	439	452		473
Accessory	Plug-in V-cable with 2 x 2-pin connectors				
4 possible setting modes	Auto / Manual / Semi Auto High or Semi Auto Low				

BATTERIES



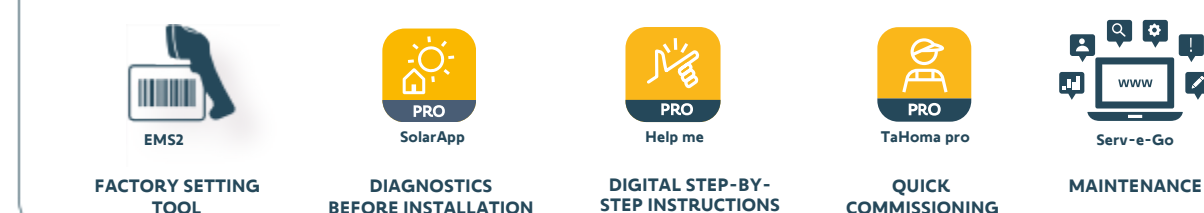
	Long Life battery 2 versions: stick and naked (for renovation box)				
Torque (Nm)	3	6	10	15	20
Number of cells	8			14	
Voltage (V)	9.6			16.8	
Capacity (mAh)	2200				
Technology	NiMH				
Diameter (mm) - Naked battery	23				
Length (mm)	naked: 346 stick: 487			naked: 603 stick: 749	
Operating temperature (°C)	from -20 to +70				
Autonomy	45 days minimum based on 2 up and down cycles per day in the dark				
Accessories	Naked battery holder x2			Naked battery holder x3	
	Universal external charger for NiMH batteries				

SOLAR PANELS

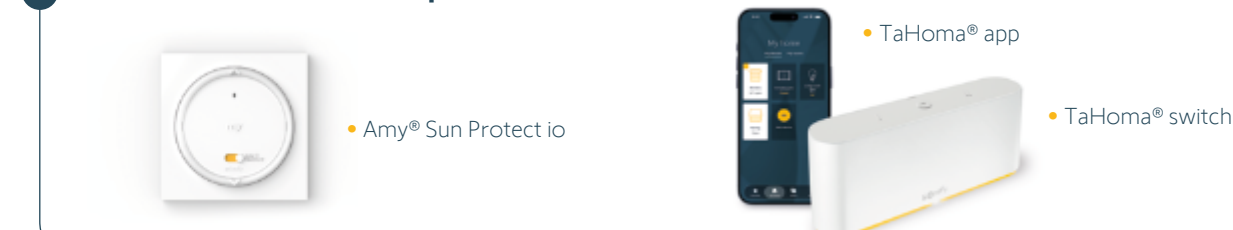


Torque	3	6	10	15	20
Technology	Monocrystalline resin				
Power (W)	2.5			5.8	
Dimensions (mm)	370 x 60			500 x 90	
Weight (g)	180			360	
Mounting method	Rivets or adhesives				
Accessories	Panel mounts with fixing holes				
	Cable extension (1 m / 5 m) for repositioning				

+ Dedicated tools for professionals



+ Recommended control points



Oximo 40 Solar io



Launched in 2021, **Oximo 40 Solar io** has established itself as a benchmark in the solar roller shutter market. Equipped with a single battery and a single panel for all three torques, the solution makes it easier to manage your stocks.



MOTOR

Torque (Nm)	3	6	10
Technology	DC		
Protocol	io-homecontrol®		
Diameter (mm)	40		
Nominal speed (rpm)	23	18	12
Protection index	IP44		
Safety class	Class III		
Operating temperature (°C)	from -20 to +70		
Length (mm)	474		
Accessory	Non-detachable cable with Y-cable add-on		
Possible setting modes	Automatic / Manual / Semi-automatic		

BATTERIES



Torque (Nm)	3	6	10
Number of cells	10		
Voltage (V)	12		
Capacity (mAh)	2200		
Technology	NiMH		
Diameter (mm) - Naked battery	23		
Length (mm)	naked: 437 stick: 570		
Normal operating temperature (°C)	from -20 to +70		
Autonomy	45 days minimum based on 2 up and down cycles per day in the dark		
Accessories	Naked battery holder x2		
	Universal external charger for NiMH batteries		

SOLAR PANEL



Torque (Nm)	3	6	10
Technology	Monocrystalline resin		
Power (W)	3.2		
Dimensions (mm)	470 x 60		
Weight (g)	230		
Mounting method	Rivets or adhesives		
Accessories	Panel mounts with fixing holes		
	Cable extension (1 m / 5 m) for repositioning		

+ Dedicated tools for professionals

SolarApp
DIAGNOSTICS BEFORE INSTALLATION

Help me
DIGITAL STEP-BY-STEP INSTRUCTIONS

TaHoma pro
QUICK COMMISSIONING

Serv-e-Go
MAINTENANCE

+ Recommended control points

Amy® Sun Protect io

TaHoma® app

TaHoma® switch



OUR SOLAR SOLUTIONS FOR

external vertical screens

MOTEURS	BATTERIES				SOLAR PANELS	
	9.6V		12 V		2.8 W	3.2 W
	Naked battery ø23	Battery stick	Naked battery ø23	Battery stick	PET panel	Resin panel
Sunea 40 Solar io 6/18			✓	✓		✓
Sunea 40 Solar io 10/12			✓	✓		✓

Our solar solutions for external vertical screens

Offering added value that improves user comfort and makes installation easier for professionals.

Sunea 40 Solar io	
MOTOR CHARACTERISTICS	
Diameter (mm)	40
Torque (Nm)	6/10
Speed (rpm)	18 (6 Nm) 12 (10 Nm)
THE AESTHETICS OF THE FABRIC ARE PRESERVED	
 Automatic compensation Adjustment of the length of the fabric according to differences in outside temperature for a perfect aesthetic finish.	✓
 Back impulse Guarantees perfect fabric tension thanks to a final movement in the opposite direction at the end of the lower stroke.	✓



Sunea 40 Solar io	
SAFETY AND LONGEVITY OF THE EXTERNAL VERTICAL SCREENS	
 Motor reset via control point	
 Automatic sleep and wake Conserves battery life during manufacturing and transport	
 Soft stop soft start Smooth starting and docking to protect the screen and reduce noise.	✓
 Perfect closing Smooth, perfect closure of the casing by through electronic limit detection at the end of the upper stroke.	✓
 Back release Guarantees the longevity of the fabric by releasing it when the screen is in the closed position.	✓
 Intelligent length control To guarantee constant projection, even after years.	✓
 Back impulse To guarantee that the fabric remains perfectly taut. The motor back rotation is adjustable.	✓
 Manual and semi-automatic adjustment Automatic adjustment of end-limits and direction of rotation.	✓
 Compatible with ABS wheel Stop in the event of an obstacle (downward direction), the ABS wheel disengages and the motor stops.	✓
 Battery charge level visible from the TaHoma® interface	✓

COMPATIBLE SENSOR	
Sunteis io Autonomous sensor for outdoor temperature and sunlight	✓
• Compatible with outdoor blinds and valances • Autonomous (solar panel recharge) • Pairing with 10 Altea 50 Solar io or Sunea 40 Solar io max motors • Motor threshold settings via TaHoma pro • Default threshold: ☀ 41,700 lux	



Sunea 40 Solar io

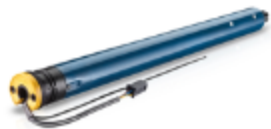
io

homecontrol®

7
YEAR
WARRANTY

Launched in 2022, Sunea 40 Solar io has become the preferred choice in solar-powered motorisation for external vertical screens and valances.

Equipped **with a single battery and a single solar panel** for both torques, it makes it easier to manage your stocks.



MOTOR

Torque (Nm)	6	10
Technology	DC	
Protocol	io-homecontrol®	
Diameter (mm)	40	
Nominal speed (rpm)	18	12
Protection index	IP44	
Safety class	Class III	
Operating temperature (°C)	-20 à +70	
Length (mm)	474	
Accessory	Y-shaped plug-in cable	
Possible setting modes	Manual / Semi-automatic	

BATTERY



Torque	6	10
Number of cells	10	
Voltage (V)	12	
Capacity (mAh)	2 200	
Technology	NiMH	
Diameter (mm) - Naked battery	23	
Length (mm)	naked: 437 stick: 570	
Operating temperature (°C)	from -20 to +70	
Autonomy	30 days minimum based on 2 up and down cycles per day in the dark	
Accessories	Naked battery holders x2	
	Universal external charger for NiMH batteries	

SOLAR PANEL



Torques (Nm)	6	10
Technology	Monocrystalline resin	
Power (W)	3.2	
Dimensions (mm)	470 x 60	
Weight (g)	230	
Mounting method	Rivets or adhesives	
Accessories	Panel mounts with fixing holes	
	Cable extension (1 m / 5 m) for repositioning	

+ Dedicated tools for professionals

EMS2

FACTORY SETTING TOOL

PRO
SolarApp

DIAGNOSTICS BEFORE INSTALLATION

PRO
Help me

DIGITAL STEP-BY-STEP INSTRUCTIONS

PRO
TaHoma pro

QUICK COMMISSIONING

Serv-e-Go

MAINTENANCE

+ Recommended control points

Amy® io

TaHoma® app

TaHoma® switch



Solar accessories



Universal charger for NiMH batteries
A single universal charger compatible with all Somfy solar solutions. Compatible with Somfy batteries (from 9.6 to 16.8V).
With waterproof cable for Altea 50 Solar io - ref.9029714.

Certifications:
CE UL RoHS UKCA



Naked battery holders
Size of battery mounts:
- Diameter 23



Supports for solar panels
To reposition the solar panel and attach it at an angle to the façade.
Available in 3 sizes:
- Panel: PET 2.8 W
- Resin panels 2.5 and 3.2 W
- Resin panel 5.8 W



Antenna support
To keep the antenna on the outside of the box and guarantee radio range.
Recommended for Oximo 40 Solar io and Sunea 40 Solar io.



Panel cable extensions
Used for repositioning the panel.
Available in 2 lengths: 1m and 5m.



Available with waterproof connectors for Altea 50 Solar io.
Available in 2 lengths: 1m and 5m.



About Somfy

For more than 50 years, Somfy has been driving durable positive motion as a pioneer in window and door automation. Developed with comfort, ease of use, security and sustainability in mind, our seamless and connective solutions are designed to help people make the move to living spaces impactful for humans and with a reduced impact on nature.

A BRAND OF **SOMFY** GROUP

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