

WIREFREE LI-ION SOLAR PANEL

Harness the energy of the sun

Maintenance-free solar charging option for wirefree motors



somfy®





The new Li-ion Solar Panel harnesses solar energy to replenish power for wirefree motorized window shades and blinds.

The Li-ion Solar Panel provides a safe, convenient charging option, reducing end user maintenance for Li-ion powered wirefree motorized shade systems.



This latest innovation from Somfy offers a green alternative for powering wirefree motorized window coverings, which eliminates annual battery replacement and disposal.

Benefits of Lithium-ion and Solar Charging:

Innovative, safe, & long-life lithium-ion battery technology provides best in performance.

Minimized maintenance automatically charges Li-ion batteries.

Convenient and cost-effective with no need to replace or discard disposable batteries.

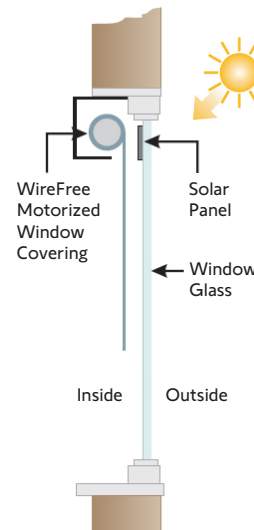
Easy installation minimizes installation time and associated costs:

- Simple plug and play
- Does not require an electrician

Compatible with many types of shades and blinds.

How it works

The solar (photovoltaic) panel is simply mounted on the inside of the window opening and converts the sun's light into electrical energy. The harnessed electrical energy is stored within a Lithium-ion (Li-ion) battery which powers Somfy wirefree solutions for shades and blinds. Depending on the type of motorized window covering, the battery can be either embedded in the motor or mounted externally.



Compatible Products

WireFree Li-ion motors (with embedded Li-ion battery)

Sonessé® 40 WireFree RTS (Li-ion)	Ref. 1240485
Sonessé® ULTRA 30 WireFree RTS (Li-ion)*	Ref. 1003310
Sonessé® 28 WireFree RTS (Li-ion)*	Ref. 1003297
Roll Up 28 WireFree™ RTS (Li-ion) V2	Ref. 1241150
Roll Up 24 WireFree™ RTS (Li-ion)	Ref. 1240278

External Battery motors (using Li-ion Battery Pack)

Sonessé® 28 WireFree RTS	Ref. 1241230
Roll Up 28 WireFree™ RTS V1	Ref. 1240292
Roll Up 28 WireFree™ RTS V2	Ref. 1241162
Cord Lift TLW25 RTS (External Battery)	Ref. 1003294
Cord Lift CL32 RTS (External Battery)	Ref. 1002422
Tilt 50 WireFree™ Through-Shaft RTS	Ref. 1240276

*manufactured after March 2020

Configuration Options

Fig. 1) WireFree Li-ion motors (embedded battery)

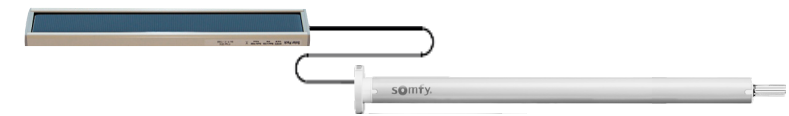
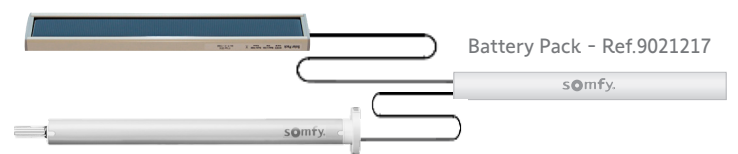


Fig. 2) WireFree motors (external battery)



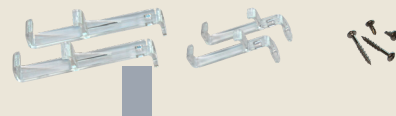
What's included

Each lithium-ion solar panel kit consists of the following:

Solar panel



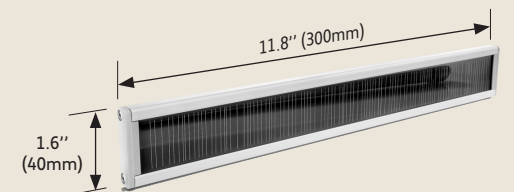
Solar panel mounting kit with screws



Glass mount adhesive & alcohol swab



Dimensions of Solar Panel









Optimized performance

Things to consider

- Solar panel must be exposed to direct sunlight.
- Sunlight must transmit through window opening.
- Windows facing East/South/West provide increased sun exposure.*
- Only one solar panel is required per motorized window covering.
- Mount solar panel on inside of window only.
- Remove window tinting from solar panel area.
- Check your environment for anything that blocks sunlight:
 - *Overhangs, deep roof eaves
 - *Awnings
 - *Insect screens
 - *Large trees or vegetation
 - *Highrise buildings

*Optional plug-in wall charger available if needed.

Window mounting guidelines

MOVING WINDOW			
	Fixed Window	Double Hung	Casement
	Window Mount	✓	✗
Bracketing	✓	✓	✓
MOVING WINDOW			
	Sliding	Bug Screen	Bug Screen
	Window Mount	✗	✗
Bracketing	✓	✗	✓

Part List

SOLAR PANEL

PART NUMBER	DESCRIPTION	CONTENT
9027294	WireFree Li-ion solar panel kit	1 Solar panel, mounting clips, adhesive tape and alcohol swab
9015897	Solar panel mounting brackets	Solar panel mounting brackets
9018115	Adhesive tape & alcohol swab	Adhesive tape & alcohol swab for solar panel

OPTIONAL ACCESSORIES

PART NUMBER	DESCRIPTION	CONTENT
9021217	External Li-ion battery pack	External Li-ion battery pack
9021016	Extension cable for Li-ion (94.5")	1 Extension charging cable connects between Solar Panel and (Li-ion) motor or (Li-ion) battery pack Ref. Fig 1
9021131	Extension cable for Li-ion (8")	1 Extension charging cable connects between Solar Panel and (Li-ion) motor or (Li-ion) battery pack Ref. Fig 1
9018623	Battery extension cable (10")	1 Extension power cable connects between (Li-ion) battery pack and motor Ref. Fig 2
9016736	Battery extension cable (48")	1 Extension power cable connects between (Li-ion) battery pack and motor Ref. Fig 2
9018624	Battery extension cable (96")	1 Extension power cable connects between (Li-ion) battery pack and motor Ref. Fig 2
9025166	Lithium-ion battery charger	1 plug-in wall charger with 6 ft. cable and connector.



Make the move

About Somfy®

For over 50 years, Somfy has been pioneering innovative motorization and automated solutions for window coverings and exterior shading products. With comfort, ease of use, security, and sustainability in mind, our seamless and connected 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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