

Part Number:
9027294

WireFree™ Li-ion Solar Panel

The WireFree™ Li-ion Solar Panel provides long-life, autonomous energy for Somfy Li-ion WireFree™ products.



Note: Do not connect panel to more than one Li-ion Motor or Li-ion Battery Pack.



CAUTION

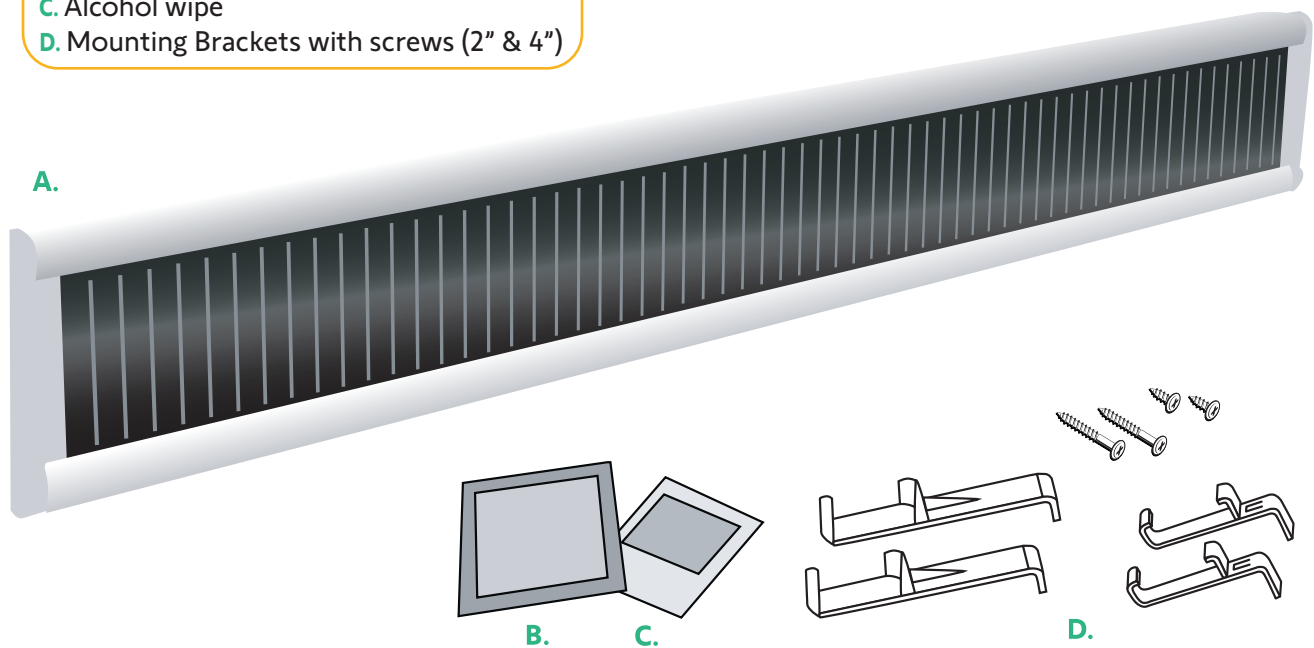
The WireFree™ Li-ion Solar Panel is for indoor use only. Keep the product out of reach of children. Do not drop product or expose to flame or heat. Keep away from liquids and moisture.

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Introduction

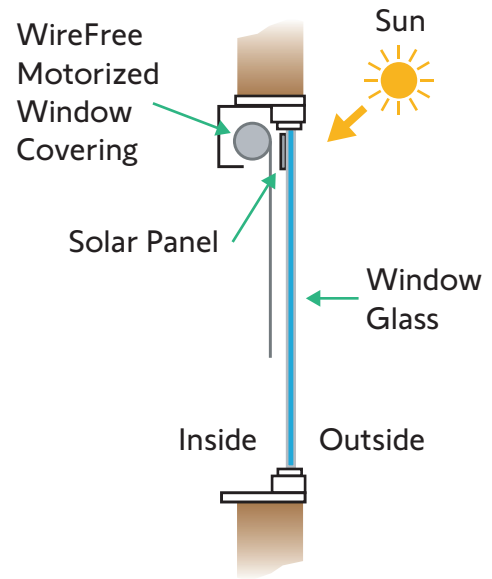
Included:


- A. WireFree™ Li-ion Solar Panel
- B. Glass-Mount Adhesive
- C. Alcohol wipe
- D. Mounting Brackets with screws (2" & 4")

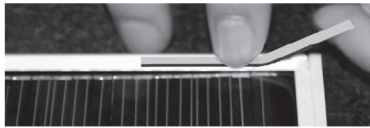


2 Direct to Glass Installation

1. To mount the WireFree™ Li-ion Solar Panel, choose position on the interior side of the glass.
2. Position the WireFree™ Li-ion Solar Panel photovoltaic cells in direct sunlight. Ensure there are no obstructions. Do not install on tinted or Low E glass. Any glass limiting light to less than 65% is not recommended for best performance.



 **Note:** Install close to motor to the right or left. Longer wire extensions are available if needed.



3. Clean solar panel bezel corners and window area with alcohol prep pad. Let dry for two minutes.
4. Place Solar Panel on a flat surface with the solar panel facing up. Apply the 2-sided adhesive to the four corners of the solar panel bezel.
5. Remove the protective film from adhesive tape.
6. Position product on glass with solar panel facing outdoors. Firmly press entire panel, using even pressure for 10- 15 seconds. Complete bonding will take 24 hours. Do not disturb during this period.



CAUTION

Do not touch the adhesive side of the tape with fingers (or other contaminants) prior to adhesion.

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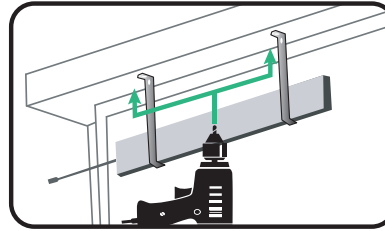
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Bracket Installation

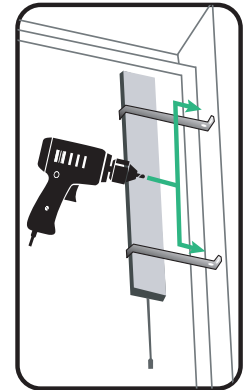
You will need to mount solar panel with brackets if glass application is not possible, such as: panel blocks window movement or casement, double-hung windows or when roll-up cassettes/headrails inhibit direct-to-glass mounting area.

Window Frame Mounting

1. For inside top of window frame mounting, position brackets and mark hole locations.
2. Attach brackets to window frame with screws provided.
3. Snap Solar Panel into brackets.



Horizontal Mount



Vertical Mount

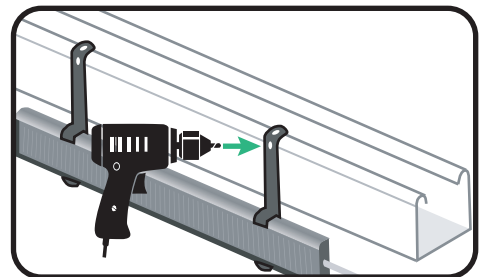
Head Rail or Roll-Up Cassette Mounting

If this is a new installation, determine whether 2" drop or 4" drop brackets best fit the application. Ensure that Solar Panel position has direct access to sunlight without blockage or shadows.

If this is an existing installation, remove the window coverings to best determine which brackets fit the headrail. Ensure position provides unimpeded access to sunlight and does not restrict movement of window covering.

Vertical or horizontal mounting depends upon window covering type. Cassettes may require vertical installation, using upper hole locations. Venetian tilt or cord lift head rails may require horizontal installation, using the lower screw hole.

1. Once vertical or horizontal installation is determined, use brackets to mark screw locations.
2. Use self-tapping screws to mount brackets into position. Be careful not to damage window coverings during installation.
3. Snap solar panel into proper position in the brackets.
4. Put window covering back in place.

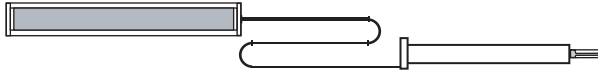


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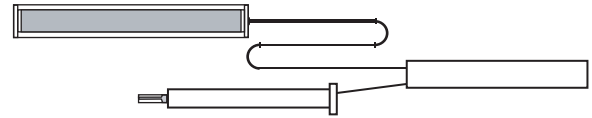
Connecting Solar Panel

Li-ion Internal Battery Motors



For motors with internal batteries, connect the WireFree™ Li-ion Solar Panel directly to motor.

External Li-ion Battery Motors



For motors with external batteries, connect the WireFree™ Li-ion Solar Panel to battery pack and then to motor.



CAUTION

Be certain the motorized window coverings are fully charged (using wall charger) prior to connecting the Solar Panel.

Note: Please visit <https://store.somfysystems.com/> to purchase the wall charger or solar pack.

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Programming



Note: If this installation is an upgrade to an existing Somfy WireFree™ motorized window covering, there is no need to reprogram the motor.

If this is a new installation with a Somfy Wirefree™ Motor, please follow the motor installation and programming guide.

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Operation




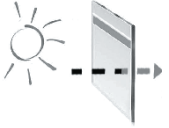
The Solar Panel trickle-charges the battery. Power is stored in the high-capacity Li-ion battery (acting like a reservoir) providing uninterrupted service. It is normal for the battery to gain more energy in summer months as compared to winter months. The WireFree™ Li-ion Solar Panel converts the intensity of light to energy upon availability.





Excessive Energy Use: If the battery becomes fully depleted and can't operate the window coverings, a plug-in Somfy Li-ion wall charger may be necessary.




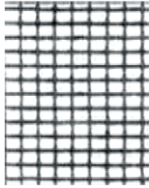
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Window Application Tables and Guidelines

Window Type				
	Single or Double Pane OK	Light Transmission 65% or Greater	Window Tinting	Inside Window Only

Moving Window				
	Fixed Window	Double Hung	Sliding	Casement
Concern	Clean Install	Caution: Avoid Panel Collision	Caution: Avoid Panel Collision	Caution: Panel Movement Will Tug or Tear Harness
Suggestions		Limit Screw in Track	Limit Screw In Track	Cable Tie Near Corner

Avoid		
	Awnings or Deep Roof Eaves	Window Dividers Overlapping Solar Panel
		
	Vegetation Blocking Sunlight	Insect Screens

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Troubleshooting

Observation	Possible Causes	Solution
During Installation	The motor does not work	<ol style="list-style-type: none"> 1. Verify wires have secure connection and that wires are not cut. 2. Verify battery has been charged to 100%. 3. See troubleshooting section in guide for specific motor.
	WireFree™ Li-ion Solar Panel does not adhere to glass after initial application.	<ol style="list-style-type: none"> 1. Remove panel and adhesive. 2. Clean glass with glass prep pad. Dry. 3. Apply new adhesive as directed.
	Sliding window collides with solar panel after mounting.	<ol style="list-style-type: none"> 1. Install a window bumper to prevent collision. 2. Install using included solar panel mounting bracket.



Note: Visit <https://store.somfysystems.com/> to purchase an additional or replacement product.



BATTERY RECYCLING OR DISPOSAL

Discard batteries and electrical components following local codes or regulations. Recycle batteries and electrical components with designated electronic recycle centers.

SOMFY ACTIVITES SA, F-74300 CLUSES as manufacturer hereby declares that the drive covered by these instructions and used as intended according to these instructions is in compliance with the essential requirements of the applicable European Directives and in particular of the Machinery Directive 2006/42/EC, and the Radio Directive 2014/53/EU. The full text of the EU declaration of conformity is available at www.somfy.com/ce. Antoine Crézé, Approval manager, acting on behalf of Activity director, Cluses, 06/2018.