

# Solar Pack Installation

The WireFree™ Solar Pack harnesses renewable solar energy to power WireFree™ motorized window coverings. This innovative product from Somfy is easy to install, and provides a maintenance free, longer life alternative as compared to standard lithium battery options.

This product is designed to meet the energy requirements for new and existing Somfy 12 Volt WireFree™ motorized window coverings, and should not be used in conjunction with any other motor systems.

## Parts Overview

- ① **Photovoltaic (Solar) Panel** (with window mounting adhesive tape and surface prep-pads)



- ② **"Y"-Harness Connector**



- ③ **Rechargeable Ni-MH Battery + Battery Tube**



## Optional Accessories:

### Battery Tube Mounting Clip Pack

- A. Mounting Clips
- B. Securing Bands
- C. Screws

Item #9013263



### Solar Panel Mounting Bracket Kit

(for off-the-glass mounting)

- A. 2" Brackets
- B. 4" Brackets
- C. Mounting Screws

Item #9015897



**24 & 48 Inch Extension Cable**  
(for extending battery or solar  
panel connection)

**24 Inch – Item # 9016374**  
**48 Inch – Item # 9016374**



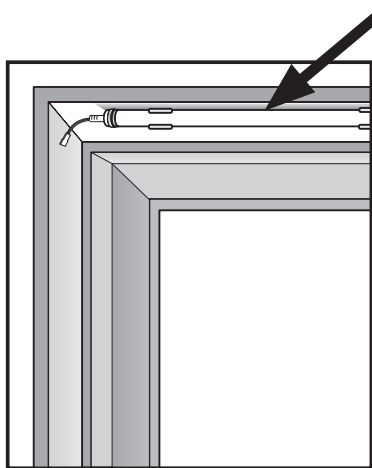
## Step 1: Installing Battery Tube

If your motorized window covering does not have provisions to mount the battery tube, you will need to purchase the optional wall mount battery clips as pictured on previous page.

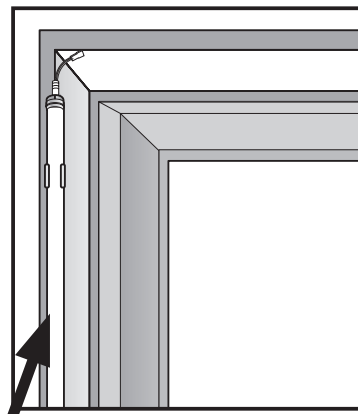
- **New Installations:** The location of battery tube must be determined prior to installation of window covering.
- **Existing Installations:** Simply replace the existing (Lithium) battery tube with the new Solar Pack battery tube.  
(NOTE: Lithium battery tubes are not compatible with Solar Pack)

**NOTE: Battery should be fully charged prior to installation with battery charger (Somfy Item #9015781) sold separately.**

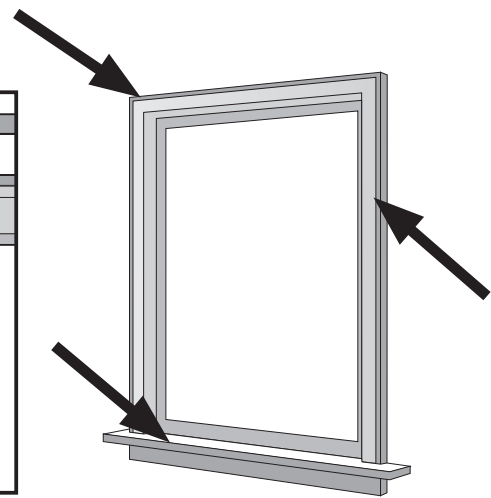
The following depicts the most common installation options, however the battery tube may be installed in a location that is most convenient.



**Option 1:** Horizontal Mount Inside or Outside of Window Frame



**Option 2:** Vertical Mount Inside or Outside of Window Frame



**Option 3:** Any other location that works for your specific installation

**NOTE: If the battery tube is located more than 10 inches from the motor (motor side of window covering) an extension cable may be used.**

### INSIDE WINDOW FRAME MOUNTING ONLY:

#### A. Find the "Window Depth."

Measure the depth of the window return (front to back) and note.

#### B. Find the "Overall Depth."

Measure the depth of the window covering (front to back) including window covering mounting brackets. Add 1 inch and note.



Is the "Window Depth" SMALLER than the "Overall Depth?"

**YES** → Inside Window Frame mounting is **not possible**.

**NO** → Inside Window Frame mounting is acceptable, **GO TO STEP 2.**

## Step 2: Installing Solar Panel

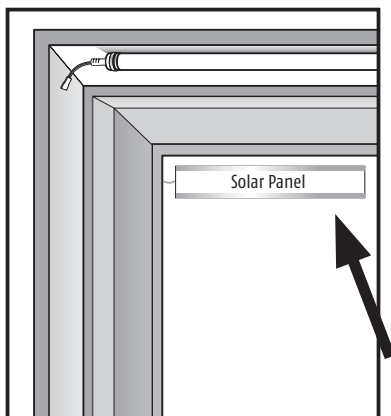
### DETERMINE THE LOCATION OF THE SOLAR PANEL

- The Solar Panel must always be installed **INDOORS**, in most cases, directly against the window glass to ensure maximum exposure to sunlight

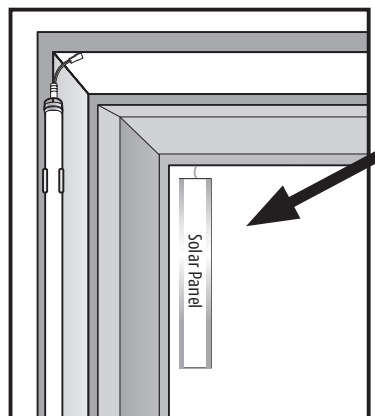
**NOTE: To prevent damage to Solar Panel and/or window hardware, DO NOT MOUNT Solar Panel directly to window glass if it will cause an obstruction to moveable window frames and hardware!**

- Optional: Solar Panel should be mounted **on the same side** as the battery tube (see **Option 1 and 2**). Extension cables may be purchased to accommodate other locations.

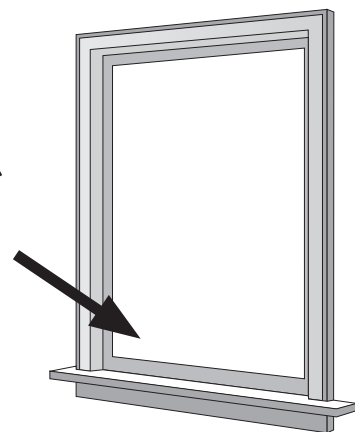
The following depicts the most common installation options, however if Solar Panel CANNOT be mounted directly to window glass, the Optional Solar Panel Bracket Kit (previous page) may have to be purchased. The bracket kit will enable the Solar Panel to be mounted directly to the inside "window-return" or directly to the window covering enclosure/headrail (if one is used). See **Option 4** (below).



**Option 1:** Horizontal Mount Inside or Outside of Window Frame



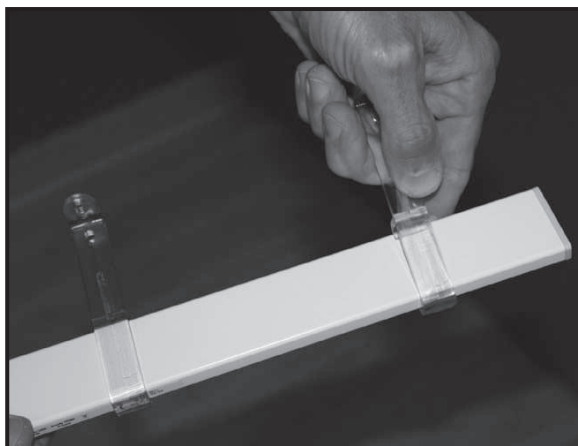
**Option 2:** Vertical Mount Inside or Outside Frame



**Option 3:** Any other location that works for your specific installation

**NOTE: If the Solar Panel is located more than 10 inches from the motor (motor side of the window covering) an optional extension cable (previous page) may be used.**

### Option 4



### Step 3: Installing Solar Panel to Window Glass

1. Clean Solar Panel frame and proposed window glass location with alcohol prep pad (included). Let dry for 2 minutes.
2. Position Solar Panel "face-up" and apply the adhesive tape to (4) corners of the Solar Panel frame (See Figure 2). Then adhere to window surface.

**NOTE: Adhesive tape is precut for your convenience. Direct contact with skin may contaminate tape. It is important that your skin does not come in contact with adhesive. Always peel away the *master liner* (first) while handling/positioning tape with *upper liner*. This will allow you to easily position tape onto frame of Solar Panel. (See Figures 1 and 2)**

Figure 1.

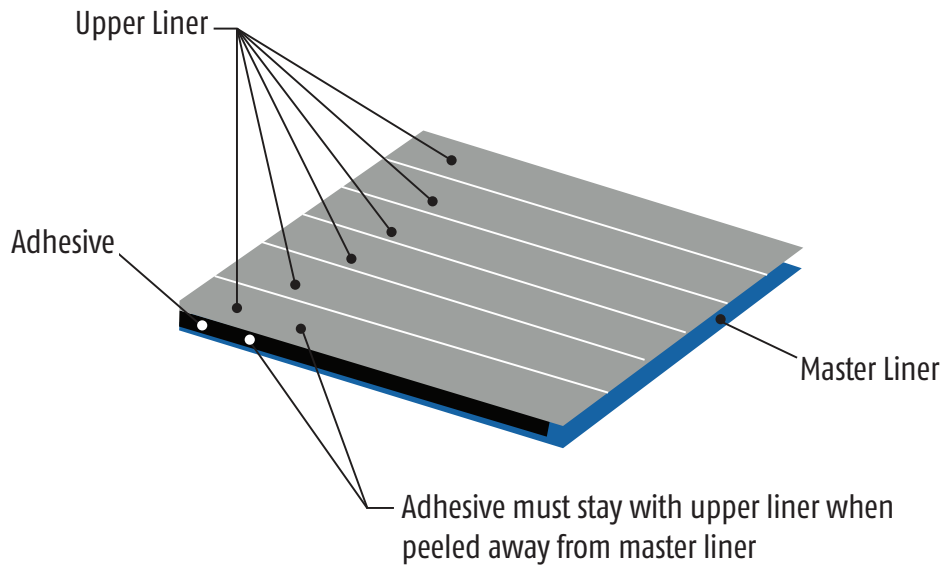
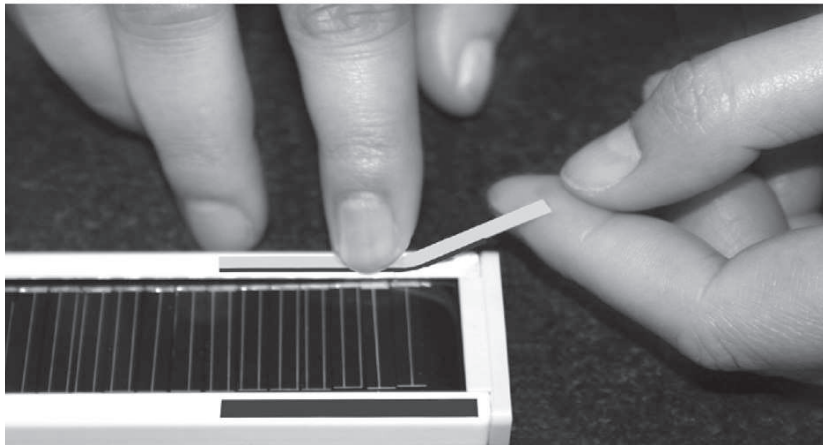


Figure 2.



## Step 4: Connecting Solar Panel and Battery Tube

1. Connect Wire Harness Motor Connector to motorized window covering.
2. Connect Battery Tube to Wire Harness.
3. Connect Solar Panel to Wire Harness.

