SCREEN OPTIONS
Letting Air in While Keeping Pests Out
As an industry leader for more than 20 years, Solar Innovations® has a long history that is rooted in the heart of manufacturing with a deep passion for the American dream. As a single source provider of custom glass structures, skylights, windows, doors, and more, Solar strives to endlessly innovate and design custom products throughout the world. Our products continue to develop and grow as a direct result of our passion for the industry, the creativity of our customers, and from our world-class team of professionals.

By investing in our people, customers, community, and environment, Solar is proud to turn dreams into reality and deliver a customer experience beyond expectations. All our products are designed and manufactured in the United States at our facility in Pine Grove, Pa., allowing for more flexibility to provide quality products and services. In addition, all of our engineering, product testing, and product design take place within our facility. By producing as many components as possible in-house, Solar has greater control over lead times and cost, which achieve better results for our customers.

Although Solar innovations® comes from small and humble beginnings, we now reside in a state-of-the-art 360,000-square-foot corporate office and manufacturing facility. With a three-building campus located on over 36 acres of land, Solar continues to develop and grow by creating innovative designs and engineering new product lines. The Solar team strives to forge its path into the future by promoting a strong spirit of unity, teamwork, and being better today than we were yesterday.

**INNOVATIVE**
Solar Innovations – it’s all in the name. By constantly introducing new ideas and bringing in creative ways of thinking, our products go above and beyond typical manufacturing standards. No project is too difficult for Solar to handle.

**DURABLE**
The strength and durability of our products are a guarantee. All of our applications are impact-tested in house, ensuring that all of Solar’s projects can withstand the pressure of every day wear and tear for years to come.

**HIGH-PERFORMING**
Here at Solar, we are all about superior results. Our company currently offers the largest, impact-rated folding glass walls on the market and constantly strives to create the highest quality product possible.

**EASY TO OPERATE**
All of Solar’s applications are user-friendly and straightforward. No matter the shape, size, or type of application, our products remain practical and manageable so that all of our customers remain satisfied.
Folding and stacking screens mimic the flow of their glass door counterparts. Folding screens are hinged and fold left or right to be flush against a wall, while stacking screens are individually operated with top hung panels. Just as with glazed folding doors, operable swing door panels can be integrated into the door units to provide an entrance. Folding and stacking screen panels can also be used to create an outdoor room in place of a glass sunroom or pool house, allowing you to enjoy nature without bothersome insects.

Folding and stacking screens are available in all Solar’s standard finishes and screen options. These are smooth, non-pleated screens that can be used in most project applications.

Frame Finish Options

Stock Finishes

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<tr>
<th>Finish Type</th>
<th>Color</th>
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<tbody>
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Standard Screen Options

- Charcoal Mesh Screen
- Pet Screen
- Clear Advantage Screen
- Charcoal Aluminum Screen
- Aluminum Screen

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Sliding screens are generally used on large openings, most commonly on the exterior of sliding glass doors. The panels of this system can be pocketed into a wall cavity, be center split, or stack to the left or right when fully open.

A common application of sliding screen systems is with the creation of a screened porch. The panels can slide closed to keep insects at bay or remain open to provide users with unobstructed views.

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Solar Innovations® traditional screen doors are available in both outswing single, as well as French door configurations. The screen door is constructed from an aluminum frame which mimics the sitelines of Solar’s swing doors.

Handle selections are able to be matched on both the screen and the French doors. In addition, the hinges used on screen doors are the same as those found on Solar’s hurricane rated folding door system, which prevents rust and potential operation issues. Swing door screens are smooth, non-pleated, and available in all Solar’s standard finishes and screening options.

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Fixed screens are used on casement, awning, hopper, tilt turn, and sliding glass windows. This type of screen is the typical selection for residential and commercial applications and is attached in a stationary position. Fixed screens can be easily removed for cleaning.

In addition, these screens can also be placed on the interior of an operable skylight or ridge vent to allow for more ventilation. For casement and awning windows, screens are typically placed on the inside of the frame, closest to the interior space. For screens on tilt turn and hopper windows they are placed on the exterior side since the window opens to the interior.

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S Series Screens are vertically retractable screens that provide the ability to enjoy the outdoors while being protected from pests. S Series Screens feature a specialty zipper system which guides the fabric within the track and prevents insects from entering. The zipper system can also prevent sunlight from entering the room if black out fabric is selected.

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Frame Finish Options

Mocha | Brown | Ivory | Bronze | White | Black | Grey | Taupe | Green

Maximum Sizes:
14’ W x 16’ H or 20’ W x 9’ H

Please note: Acceptable sizes may vary depending on height and width.
B Series Screens are suited for larger openings and if you prefer a pleated screen option. These screens consist of either a single or double panel configuration, and have the capability to meet on a 90 degree corner to enclose a space with only one visible, vertical division. This screen can be paired with folding doors, sliding doors, French doors, lift slide doors, or screen rooms.

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Sheer

Solar Innovations® offers a retractable screen with a stylish, pleated material that can be operated with one hand. Units may include one to six panels and can be parted at any vertical rail. G Series Screens have an ADA compliant sill track and are available in several frame finish options. These screens can typically be designed to match the vertical rail alignment of the door system they are complementing, minimizing siteline interruptions.

Maximum Combined Screen Panels Per Opening:
3 from right / 3 from left = 6 total panels
Maximum Per Panel Size: 63” W x 125” H

Milano

A retractable door screen can be easily integrated into either a single door or French door opening. The screens can be either a single unit that pulls left to right or a double panel which joins in the middle and then retracts back to the framing. Our Milano screens are held together in the center with industrial strength magnets. Screens allow users to easily pass from inside to outside and can be stopped at any point on the track with the anti-slam feature. Several frame finishes and sizes are available that will suit most openings.

Maximum Size Double: 108” W x 100” H
Maximum Size Single: 60” W x 100” H

Frame Finish Options

Stock Finishes

Brownstone
Desert Tan
Adobe
White

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C Series EcoScreens can be a combination of an insect screen and shade unit that provides air flow, protection from insects, and privacy. The unit is available in an “all screen” configuration, an “all blind” configuration, or a combination blind and screen unit. The blinds and screens are retracted from vertical cassettes on both sides of the opening and can be partially opened with the anti-slam feature. The blind portion of the unit can function as a projector screen for your home theater system as well.

**MAXIMUM PER PANEL SIZES**

- **Combined:**
  - 12' W x 7' 6" H

- **Single Insect Screen:**
  - 12' W x 10' H

- **Single Eco Shade:**
  - 12' W x 7' 6" H

- **Double Insect Screen:**
  - 24' W x 10' H

- **Double Eco Shade:**
  - 24' W x 7' 6" H
MANUAL ROLLER SHADES
Manual roller shades are designed to be pulled by hand against the eave line of your structure. When pulled taut, the shade will click and easily hold in place. This tension system is a less expensive shade option and is extremely easy to operate in any application.

GRAVITY FED SHADES
Gravity fed shades are typically used in sloped roofs, but can also be used in vertical wall applications. These shades are individually sized to fit between the rafters of an interior glass roof and are available in numerous materials and colors. This system is available in motorized or manual pull cord options, operates in a Roman fold style, and can be used in humid environments such as greenhouses.

WIDE SPAN SHADES
Wide span shades extend from eave to eave, or follow the natural slope of a glass structure. Available in multiple fabric, texture, and color options, these shades trap heat above them, which allows the living space of a structure to remain cooler. These Roman fold style shades are fully operable and are available in either manual or motorized options.

PLEATED SHADES
Pleated shades can be used on the roof and vertical walls of a glass structure. The pleats not only provide an appealing visual pattern but also soften daylight coming into your structure. These shades are generally mounted at the eave and pull upwards toward the ridge, except for angled corners, which operate inversely. Pleated shades are suitable for extremely humid environments and come in both manual or motorized pull options.

PINOLEUM BLINDS
Pinoleum blinds are traditionally used in conservatories, sunrooms, and on skylights. These blinds are comprised of individual wooden reeds that are woven together to diffuse light. Due to the wooden needs, this system should not be used in humid environments. Manual or motorized units are available.

SOLAR R BLINDS
Solar R Blinds are typically used to increase energy efficiency and control temperature. These smooth shades have an aluminum backing which reflects sunlight to limit solar heat gain. They are generally mounted at the eave of a structure and pull upwards toward the ridge, except for angled corners which operate inversely. Solar R Blinds are available in either manual or motorized options, and when operated, the shades move on a roller into a cassette via the pulley system. This system is not recommended for use in humid environments.

For additional information refer to our shades brochure or visit solarinnovations.com/shades.
RESIDENTIAL & COMMERCIAL
DOORS & WINDOWS | GLASS STRUCTURES | SKYLIGHTS

Folding Glass Walls
Slide & Stack Glass Walls
Clear Glass Walls
Sliding Glass Doors
Lift Slide Doors
Swing Doors
Pivot Doors
Casement Windows
Awning Windows
Tilt Turn Windows
Mulled Windows
Hopper Windows
Fixed Windows
Sliding Glass Windows
Folding Glass Windows
Curtain Walls
Wood Curtain Walls
Greenhouses
Conservatories
Sunrooms
Canopies
Pool Enclosures
Pool Houses
Walkways
Glass Railings
Fixed Skylights
Curb Mount Skylights
Barrel Vault Skylights
Double Pitch Skylights
Dome Skylights
Single Slope Skylights
Pyramid Skylights
Walkable Skylights
Retractable Skylights
90° Operable Skylights

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