

# envioblinds®

LOW CARBON TECHNOLOGY



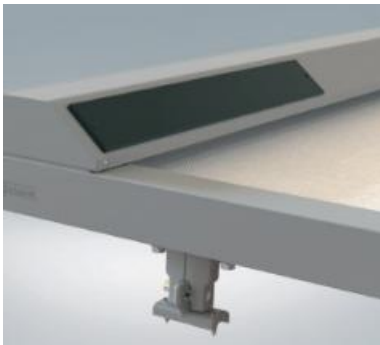
## Solar-powered roofblinds

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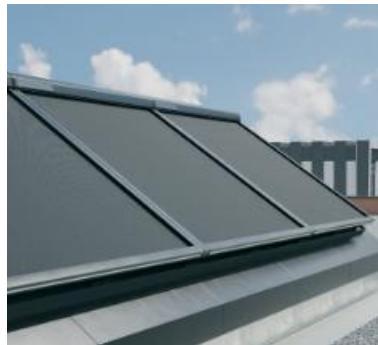
## VZ080-ZIP Solar

Sun protection for your veranda or skylight is an energy-saving solution to keep your home or veranda nice and cool. It keeps indoor temperatures under control and prevents heat from entering your home. VZ080-ZIP Solar goes one step further: not only is it good for the environment, it also saves substantially on your energy bills. The VZ080-ZIP Solar gives you the right dose of shade in a sustainable, energy-efficient way.



### Runs on 100% green solar energy

The VZ080-ZIP Solar runs on 100% green solar energy thanks to the solar panel and the powerful associated 2.2 Ah battery. The benefit of solar energy is the fact that you do not draw power from the grid, which means reduced energy bills. What's more, you get a 7-year warranty on the motor, the battery and the solar panel!



### Taut fabrics thanks to the ZIP system

An innovative ZIP system and a fascial that runs right up to the end of the guide rails, ensure that the fabric remains very tight.

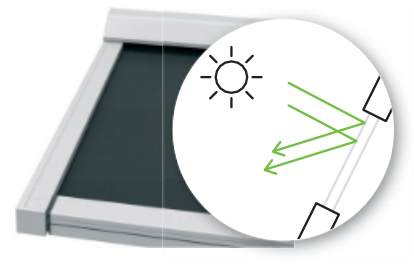
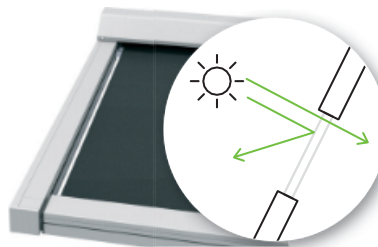


### Easy to install

The VZ080-ZIP is multifunctional in terms of installation options: bottom-up, top-down, surface-mounted and as indoor sun protection. Very handy!

### Overheating protection

No gap between guide rail and fabric. Which means no light is able to penetrate between the guide rail and the fabric, which ensures optimal protection against overheating.



### Finishing options



Bottom-up



Indoor sun blind



Top-down



Surface-mounted

# Premium quality

## All the benefits of summer without any of the drawbacks.

### Aesthetics

Harol has a sun protection solution for everyone. Wholly match the veranda protection with the outdoor joinery. Available in all RAL colours and a wide range of paints and textured coatings at the standard price.

Optional overhang reduces sunlight on the vertical glass panes.

### Servicing

The profiles and the box should be cleaned on a regular basis using tepid water and a mild detergent, such as a car shampoo, and then rinsed down using tap water (at least twice a year).

Never use corrosive or aggressive products. Do not use scouring pads or other abrasive cleaning agents.

The closed box effectively protects the fabric against dirt. Furthermore, the awning's fabric is treated with a special dirt-repellent product. If the fabric still needs to be cleaned, then it is best to ensure it is free of dust by vacuuming, blowing, shaking or brushing off the dust. For watery stains, moisten thoroughly and rub with a clean cloth. Only use detergents such as soap or other chemical products in very exceptional situations.

### Sustainable

A charged battery allows you to open and close your veranda sun blind or skylight twice a day for 30 days, even in complete darkness.

The VZ080-ZIP Solar runs on 100% green solar energy thanks to the solar panel and the powerful associated 2.2 Ah battery.

The fabrics used have been treated against rot and mildew, which makes them last much longer.

Use of recycled aluminium.

### Installation

This veranda protection is easy to install without the need for structural intrusions or electrical work.

With this type of sun protection, you have a choice of installation options: from a classic veranda window to a flat roof window.


VZ080-ZIP has various assembly options:

Top-down  
Bottom-up  
Inside sun protection  
Surface-mounted

### Available fabrics and their features

	Type	Weight approx. (g/m <sup>2</sup> )	Thickness approx. (mm)	Transmission of direct sunlight	Solar factor G <sub>tot</sub> values*
Infinity	Acrylic	290	0.64	0%	0.08 - 0.19

	Type	Weight approx. (g/m <sup>2</sup> )	Thickness approx. (mm)	Transmission of direct sunlight	Solar factor G <sub>tot</sub> values*
Soltis 86	Polyester	380	0.43	14%	0.12 - 0.22
Soltis 92	Polyester	420	0.45	3% - 4%	0.05 - 0.16
Soltis B92	Polyester	650	0.60	0%	0.01 - 0.05

\*The lower the g-value, the higher the thermal insulation. Glazing C U = 1.2

\*\*See price list for detailed information on the fabrics available.

VZ710	VZ720	VZ080-ZIP	VZ800-ZIP	VZ080-ZIP Solar
				

## STRUCTURE / DESIGN

Max. width single (1 section)	4.5 m	5.5 m	3 m	6 m	2 m
Max. width coupled (4 sections)	18 m	22 m	10 m	16 m	4 m (max. 2 sections)
Max. drop	6 m	6 m	3.5 m	6 m	2.5 m
Max. surface area single (1 section)	18 m	25 m	10.5 m	25 m	5 m
Max. surface area coupled (4 sections)	72 m	100 m	35 m	96 m	10 m (max. 2 sections)
Box dimensions	145 x 215 mm	155 x 225 mm	134 x 118 mm	175 x 245 mm	134 x 118 mm
Guide rails	Tight shape	Tight shape	Tight shape	Tight shape	Tight shape

## INSTALLATION

Assembly options	Surface-mounted top-down	Surface-mounted top-down	Sideways, top-down, bottom-up, interior sun protection, surface-mounted	Surface-mounted top-down	Top-down, bottom-up, interior sun protection, surface-mounted
Fabric tension	Fabric tensioning system	Fabric tensioning system	Fabric tensioning and ZIP system	Fabric tensioning and ZIP system	Fabric tensioning and ZIP system

## WIND RESISTANCE

Wind class	2	2	3	3	3
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## BOX TYPE

Box	Fully closed	Fully closed	Fully closed	Fully closed	Fully closed
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## CONTROLS

io motor	Standard	Standard	Standard	Standard	Standard
RTS motor	Optional	Optional	Optional	Optional	Optional
Wired	Optional	Optional	Optional	Optional	/

## PERSONALISATION & COMFORT

Fabric roll support	> 5 m drop - standard < 5 m drop - optional	> 5 m drop - standard < 5 m drop - optional	/	Optional	/
LED lighting	/	/	/	Option: integrated, dimmable LED lighting in box and/or fabric support	/
Overhang max. 500 mm (less sunlight on vertical glass panes)	Optional	Optional	Optional	Optional	Optional



### Applications

Catering venues, hotels, homes, gardens, care homes, etc.



### Warranty

5-year product warranty



### Controls

The VZ080-ZIP Solar comes standard with io controls, which may be linked up with the io home control system for building automation.

io-homecontrol.com **somfy**



Harol reserves the right to make technical changes to the products detailed above.