MANUAL SP-9.6-SLIM

VOLL® SOLAR PANEL SLIM

1. PRELIMINARY INFORMATION

1.1 GENERAL DESCRIPTION

The Solar Panel Slim can be applied to 9.6V solar motors with battery. The captured sunlight is converted into electrical energy by the solar panel and can be stored by the battery, which allows the solar motor to operate autonomously.

1.2 SCOPE AND INTENDED USE

The solar panel captures sunlight and converts it into electrical energy to charge the external battery. Modifications to the system are not permitted. Caution is advised.

1.3 LIABILITY

- Please read this manual carefully before installing and operating this product.
- The solar panel must be installed by a professional installer of motorization and automation systems according to VOLL®'s instructions and the regulations in force in the country of use.
- Any use of this product outside the scope described above is prohibited. This and failure to follow the instructions contained in this manual will void VOLL®'s liability and warranty.
- The installer must inform the customer of the conditions of use and maintenance of this product and, after the installation of the product, must provide the customer with the instructions for use and maintenance. Service work may only be carried out by a qualified installer.
- VOLL® strives to continuously improve all products, so that the specifications, applications and technologies mentioned on this sheet can be adjusted at any time. The information offered on this sheet is based on the information currently known at the time of publication of this manual. No rights can be derived from information, schematic drawings, or images given in this manual.

Contact a VOLL® dealer or check voll-energie.nl if in doubt when installing the product or for additional information.

2. SAFETY INSTRUCTIONS

- Use only for the scope and intended use described in section 1.2.
- Keep out of reach of children.
- Only connect the solar panel according to the described connection diagram.
- Recycle the solar panel only according to the method described.
- Do not put anything on the solar panel.
- Do not drop, hit, puncture, or immerse the solar panel in water.

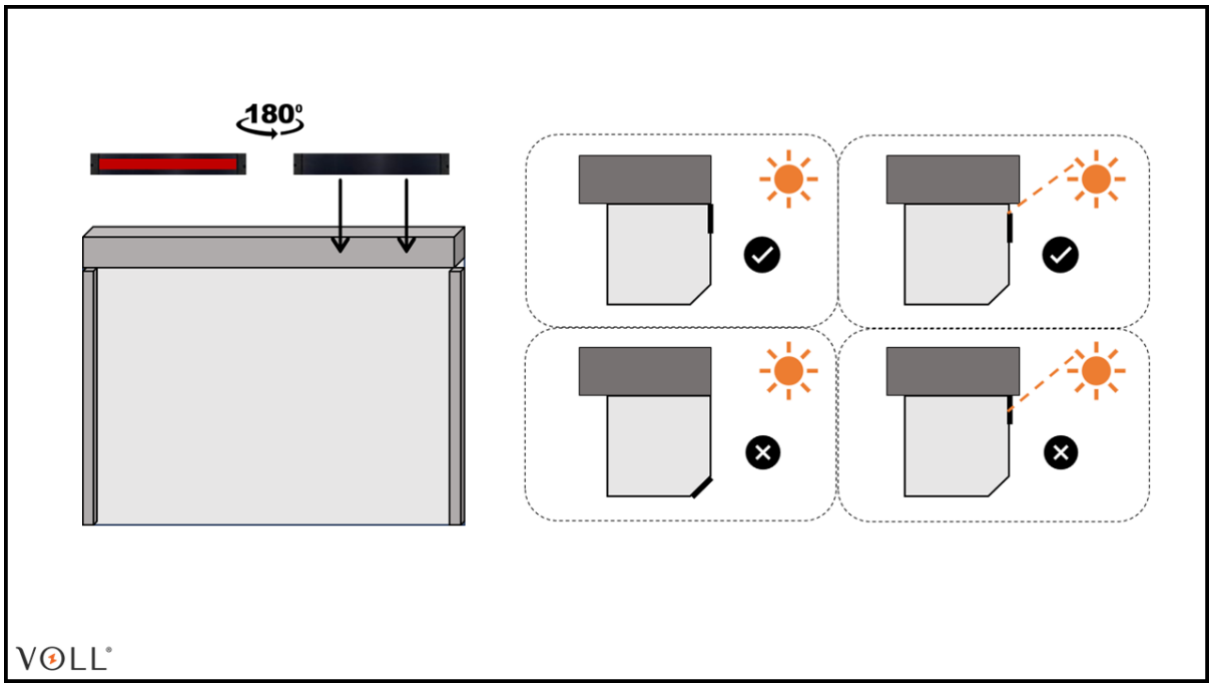
3. INSTALLATION

3.1. CONNECTION CONDITIONS

- The professional installer of motorization and automation systems who installs the solar panel must mandatorily follow the guidelines below.
- The solar panel is intended for outdoor use only. It should not be installed behind a window or other glass.
- The solar panel should be placed in direct sunlight at all times. Placing in shade should be avoided at all times, as this significantly reduces the operation of the solar panel.
- Ideally, the solar panel should be connected as close as possible to the motor and the battery.
- Avoid loose cables as much as possible.
- Make sure that the connection from solar panel to battery, or motor, is secure.

No adjustment may be made in the connector of the solar panel after delivery of VOLL®.

3.2 PLACEMENT

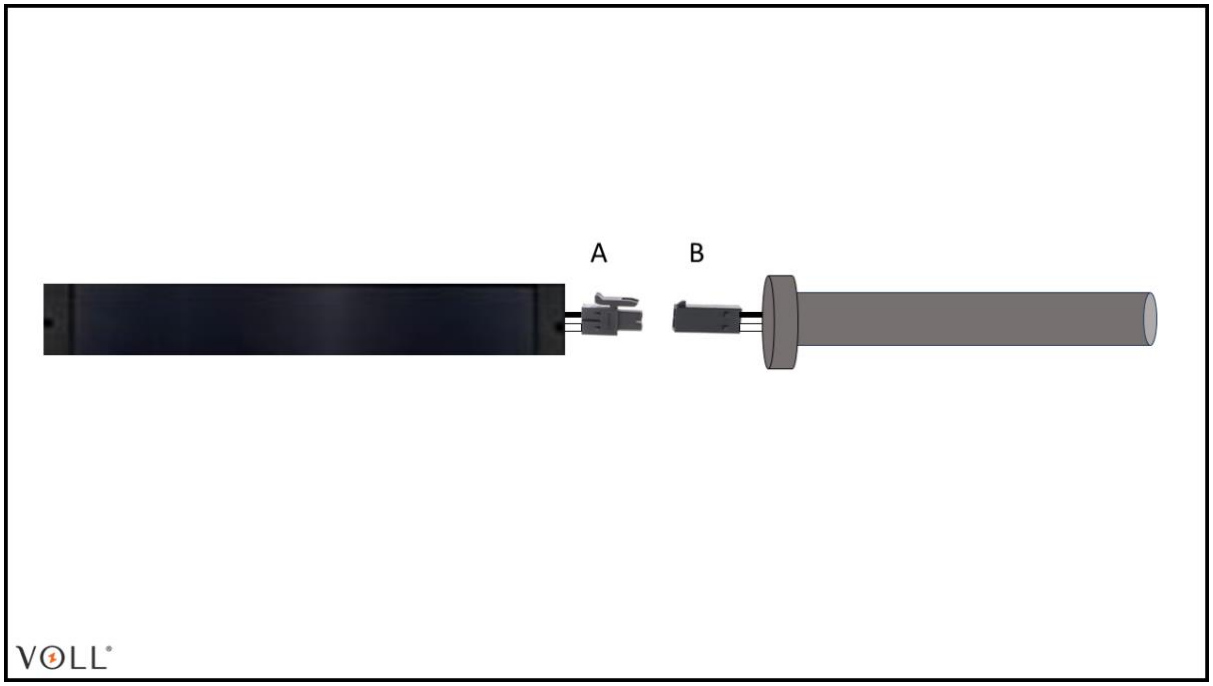


The solar panel is attached by means of a self-adhesive adhesive strip, this is done on the flat and cleaned surface of the housing or shade of the awning.

The solar panel must be placed in direct sunlight at all times, as indicated in the above instruction.

3.3 CONNECTION DIAGRAM

The solar panel is connected to B of the solar motor by means of A.



A = Molex M ; B = Molex F;

4. MAINTENANCE, STORAGE AND RECYCLING

4.1 MAINTENANCE

A solar motor works completely autonomously and therefore requires no maintenance, provided the solar panel is installed in direct sunlight.

Make sure that the solar panel remains free of snow and that the solar panel is not covered.

Keep the surface of the solar panel clean by cleaning it regularly with clean water and a soft cloth to prevent scratches.

If the solar motor still does not operate properly after charging, the battery may need to be replaced or the installation of the solar panel may need to be adjusted.

Contact a VOLL® dealer or check voll-energie.nl if in doubt when installing the product or for additional information.

4.2 STORAGE

Make sure the solar panel is disconnected from the motor and battery during long-term storage.

4.3 RECYCLING

The solar panel should not be disposed of with household waste. The consumer and/or installer is legally obliged to recycle the solar panel via a local collection point.

Separating and recycling the solar panel contributes to protecting our environment.

5. TECHNICAL DATA

5.1 DATASHEET

SP-9.6-Slim	
Max. power (STC)	4.0 W
Spanning (UOC/UMPP)	17.5/13.5 V
Output Current (ISC/IMPP)	336/300 mA
Protection class	IP44 (photovoltaic cells: IP67)
Dimensions (LxWxH)	370x60x6 mm
Weight	180 g
Operating temperature	-20 °C to +70 °C

5.2 CERTIFICATION

CE

VOLL B.V. hereby declares that this product is in compliance with the essential requirements and with other relevant provisions of the European Directives applicable throughout the European Union, and in particular the Electromagnetic Compatibility Directive 2014/30/EU, and the Restriction of Hazardous Substances Directive 2011/65/EU. The full EU declaration of conformity is available upon request through a VOLL® dealer or on voll-energie.nl.

Ir. Jim Hazelberg, Director, 01/2025