

06.04.SMS-004TYBZX-V1

Solar Panel  
WSTYB004-U



LIGHT WEIGHT AND  
ULTRA-THIN FOR  
EASIER MOVING

PERFECT CHOICE FOR  
OUTDOOR AND  
EMERGENCY LIFE

FAST CHARGING ,HIGH  
EFFICIENT CONVERSION

1.TRANSLATED INSTRUCTIONS

This instruction apply to TYB004 solar panel only.

2.GENERAL INFORMATION

Safety instructions

| Danger  
Indicates a danger which may result in immediate death or serious injury.

| Warning  
Indicates a danger which may result in death or serious injury.

| Precaution  
Indicates a danger which may result in minor or moderate injury.

| Attention  
Indicates a danger which may result in damage to or destruction o  
f the product.

3. TECHNICAL DATA

|                               |                                 |
|-------------------------------|---------------------------------|
| Open circuit voltage          | 5V ~ 6.5V                       |
| Short-circuit current         | 900mA+5%                        |
| Maximum Voltage               | 5V±5%                           |
| Maximum current               | 600mA±5%                        |
| Maximum power                 | 3W±5%                           |
| Maximum conversion efficiency | 19.4%                           |
| Silicon                       | grade A monocrystalline silicon |
| Dimension                     | 385mm*79mm*2mm                  |

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4.PRIOR INFORMATION

4.1 APPLICATION

The 3w solar panel TYB004 works with the battery motor WSERD40-B or WSERD50-B.This transform the sun energy to electric energy and power the motor to drive roller shutters, or zipscreens.

4.2 LIABILITY

Please read these instructions carefully before installing or using this product.

This product must be installed by a drive and home automation professional, in accordance with Wistar's instructions and the regulations applicable in the country in which it is commissioned.

Any use of the product outside the above field of application is forbidden. Such use, and any failure to comply with the instructions given in this guide, invalidates the warranty.

The installer must inform his customers of the operating and maintenance conditions of this product and must provide them with the operating and maintenance instructions after installing the product.Any After-Sales Service operation on the product must be performed by a drive and home automa-  
tion professional.

If in doubt when installing the product, or to obtain additional information, contact a adviser or consult the distributor.

4.3 SAFETY INSTRUCTIONS

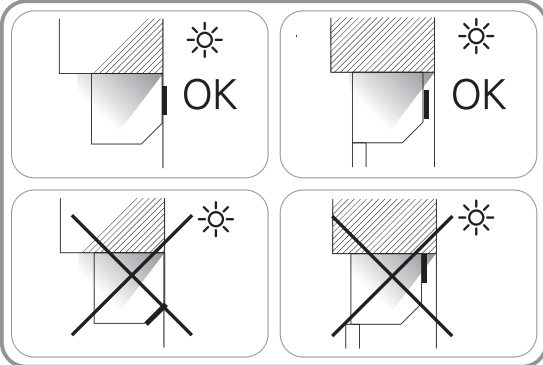
| **Attention**  
• Never put anything onto the solar panel (risk of scratching or breakage), especially during installation.  
• Never drop, knock or puncture the solar panel or immerse it in liquid (risk of internal damage to the photovoltaic cells).  
• Do not place any products which might filter the light (for example paint) in front of the photo-voltaic cells of the solar panel.  
• Do not commission a product which has been dropped; isolate it and take it to a recycling point.

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5.INSTALLATION

5.1 LOCATION OF THE SOLAR PANEL

The solar panel must always be installed outside on the housing of the roller shutter so as to capture as much natural light as possible.  
Do not install the solar panel behind glass, or in the shade.Leave the photovoltaic cells unobstructed, do not put anything in front of them.



5.2 INSTALL THE SOLAR PANEL WITH RIVETS

| **Attention**  
Do not damage the cables during installation, Deburr all drill holes.

1) Drill 1 hole with diameter 12mm **(A)** and 4 holes with diameter 6.5 mm **(B)** on the front of the housing, as per the diagram enclosed.  
2) Feed the solar panel wire inside the housing via the drilled hole **(A)**.  
3)Protect the wire from the hole edges by positioning the protective foam at that point.  
4)Mount the solar panel in the four drilled holes **(B)** using aluminium pop rivets with diameter 6.5 mm and max length 18 mm.

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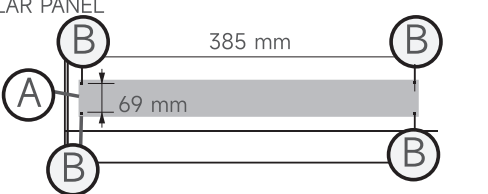
成品尺寸120-200mm

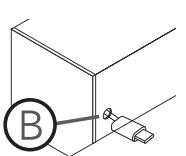
材质：70g双胶纸

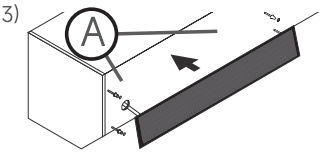
黑白印刷

四折页

1) 3W SOLAR PANEL



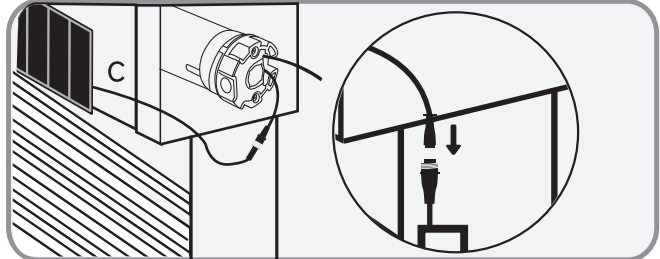
2)

3)

5.3 WIRING

| **Attention**  
The cables and connectors must be protected from the roller shutter movement.

We recommends placing the connectors behind the end piece and fixing the cables inside the roller shutter casing.Connect the solar panel connector (C) to the battery connector (D).



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6.USE AND MAINTENANCE

After installing and commissioning the TYB004, the battery is charged with electrical energy via the solar panel (see compatibility with batteries and drives in the drive instructions).  
The electrical energy transmitted by the solar panel is stored by the battery to supply the drive.

6.1 MAINTENANCE

Never let snow accumulate on the solar panel and ensure that its photovoltaic cells are not covered by snow, leaves, etc.  
Keep the surface of the solar panel clean by cleaning it on a regular basis with clear water, using a soft cloth to avoid scratching the panel.

6.2 TIPS AND ADVICE

A problem with the solar panel?

| Problems                                                                          | Possible causes                                                                                                                     | Solutions                                                                                   |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| The roller shutter is not operational.                                            | The wiring is incorrect.                                                                                                            | Check the wiring and modify it if necessary.                                                |
|                                                                                   | One of the components (battery, motor, control point, etc.) is not working.                                                         | See the corresponding instructions.                                                         |
| The battery is recharged several times a year using the external battery charger. | The solar panel is positioned incorrectly and does not receive sufficient natural light. Snow, leaves, etc. are on the solar panel. | Refer to sections "5.1. Locationof the solar panel", page 3 and "6.1. Maintenance", page 6. |
|                                                                                   | The solar panel is defective or damaged.                                                                                            | Replace the solar panel.                                                                    |
|                                                                                   | The panel is dirty.                                                                                                                 | Clean the panel.                                                                            |
|                                                                                   | The battery has reached the end of its service life.                                                                                | Replace the battery; see the battery instructions.                                          |

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Replacing a solar panel

A solar panel must be replaced by a professional, and only with an identical model.

We care about our environment. Do not dispose of the appliance with regular household waste. Take it to an approved collection point for recycling.

Disconnect the solar panel from the motor.  
• Remove the cable from the roller shutter housing.  
• Remove the rivets via the interior of the roller shutter housing or, if the solar panel is installed by means of adhesive, peel it off the roller shutter housing.  
• Remove the solar panel.  
• To fit the new solar panel, perform complete reinstallation from section 3.

We hereby declares that the product complies with the essential requirements and other relevant provisions of European directives applicable to the European Union.

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