

# ZM072

## Framed Motor Charger

### Safety Instructions

- 1, Please read the instruction carefully before installation and usage.
- 2, The installation should be done by professional motor installer.
- 3, Pay attention to the new and existing installation.
- 4, Pay attention to the personal safety when using the ladder.
- 5, Check the compatibility with the related equipment and accessories before installation, don't start installation immediately.

### Description

The charger can provide power to wireless 5V motor with lithium battery

Warning:

- ① This is a fragile part and cannot be dropped. Do not install if it breaks, or it may cause undetectable damage and may degrade performance. Please refer to the instruction manual or contact our company.
- ② Do not pierce the panel or its frame.
- ③ Never put anything on the panel (especially if there is a risk of scratch or damage during installation).
- ④ Once installed, do not allow the harness or other components to be deformed, pinched or cut by moving objects.
- ⑤ Handle electronic components and batteries according to local laws, do not burn them.
- ⑥ Do not immerse this product in liquid.

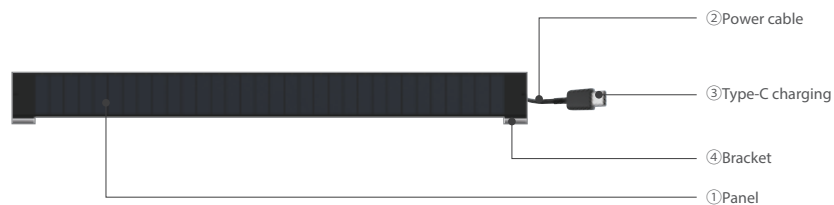
### Installation Attentions

1. Do not install the panel in shading areas such as trees or buildings. Do not install near the open flames or flammable materials.
2. The panel can not be dismantled, can not bend, can not use hard objects impact components, Avoid trampling on solar panel and other actions.
3. According to the site environment and the state of the assembly bracket structure, the charger module is grounded in an appropriate way. Please select the appropriate material and do a good job of anti-corrosion treatment. To install the components in a reliable way, if the charger fall from high altitude, it will cause damage or cause financial safety.
4. The surface of panel should face to the sunlight.
5. Always wipe the surface of the panel with soft cloth. You can't touch the part of cable or connector by hand. If necessary, use appropriate safety equipment (insulating tools or gloves, etc.).

### Working Environment Requirements

1. Dust free and dry ventilation
2. Ambient temperature : -10℃ ~ 50℃。
3. Humidity: 0 ~ 90% without condensation

## Overview



### Technical Specification of solar panel

Working voltage (Vm) : 6.3V	Working current : 750mA	short-circuit current (Isc) : 790mA
Power : 4.7W	Size : 554mm × 60mm × 10mm	Waterproof grade : IP55

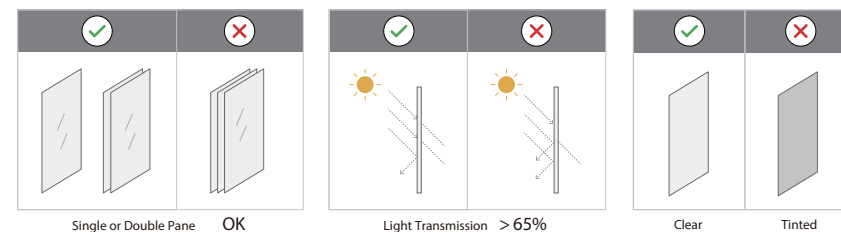
Electrical performance tolerance: voltage  $\pm 10\%$ , current  $\pm 10\%$

International solar energy inspection standards: solar radiation 1000W/mm, humidity 25 degrees, air quality AM1.5

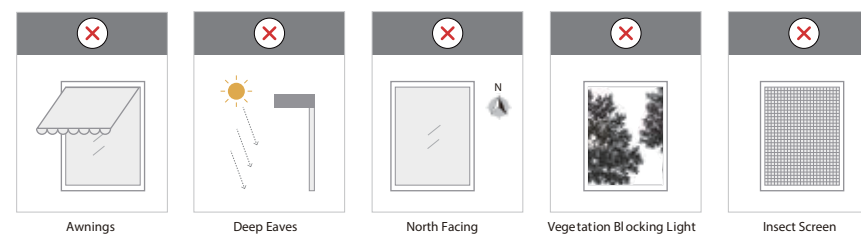
Electricity requirements (each solar panel includes solar battery cells):  
conversion efficiency 22.5%, open circuit voltage (Voc) 8V

## Installation

### Window Type



Do Not Use The Panel Under Below Conditions



## Troubleshooting

Issues	Possible causes	Solutions
Motor not working	1, The motor itself is out of order. 2, The panel is not charged.	1, Pls check the power cable has been connected properly and hasn't been cut off. 2, the battery has been full charged.
After first use, the solar panel can't stick to the glass very well	1, Small particles of dust on the surface of glass. 2, Tape is not sticky.	Remove the panel and adhesive tape, clean the glass again and dry it. Use the new adhesive tape according to the instructions.
After installation, when moving the window, the window and the panel is collided	Careless when opening windows.	1. Install window bumpers to prevent collisions. 2. Install optional mounting bracket for the panels.