

ProductFeatures

I. Product Introduction

1.1 This product offers two voltage options: 12V/24V. The choice of voltage depends on the battery's voltage.

1.2 This controller can control the wind turbine generator to automatically charge the battery. When the battery is fully charged, the internal circuit automatically controls the fan to brake; when the battery voltage drops below the recovery voltage, the fan resumes charging the battery, thereby protecting both the fan and the battery.

1.3 The modular design with independent intellectual property rights allows for the maximum guarantee of the performance of the entire system. The rectifier and braking circuits of this controller use integrated modules designed by the company, which go further than traditional designs in terms of heat dissipation and reliability.

1.4 Comprehensive waterproof protection. After a year or two of use of non-waterproof controllers, the controller circuit board will rust, and if the humidity is high or the water is easily seeped the controller is more likely to corrode and damage. This controller has a completely sealed and fully waterproof design, No longer have to worry about air humidity, high salinity, and water on the ground to make the environment work, and there is no need to worry that the controller will short-circuit and burn up after it enters water. The protective rating reaches above IP67, and even if placed in water, it can be used normally for a long time, and the stability and reliability are greatly improved.

II. Connection Method

2.1 Connect the "+" and "-" terminals of the battery to the positive and negative terminals of the controller respectively
terminal for the fan

2.2 Connect the three-phase output voltage from the wind turbine generator to the controller's three-phase voltage input

III. Precautions

3.1 Confirm that the output voltage of the wind turbine generator matches the rated voltage value of the battery

3.2 Connect wires in the following order first connect the positive and negative terminals of the battery, then connect the three phase voltage output of the fan.

3.3 Please carefully connect the battery and wind generator to the controller as required incorrect connections may damage system components.

IV. Indicator Light Status

4.1 When the red (BRAKE) indicator light on the controller is lit, the battery is fully charged and the wind turbine automatically brakes

4.2 When the green controller fan connection (CHARGE) indicator light flashes, indicating that the wind turbine has been connected; the speed at which the light flashes reflects the rotational speed of the fan.

4.3 When the green power indicator light (BATTERY) on the controller is lit It indicates that the battery is connected normally at this time