Wind Controller for 1500W 48V AC Wind Turbine Generator

User Manual

1. Functions

- Wind Controller can make AC input Wind Turbine to DC output.

- In order to protect the wind turbine and battery, the controller will make the wind turbine brake when the battery is full charged. When the voltage become low, the wind turbine recovery the charging with the battery.

- Led indicators are used to show the status of the system.

- Waterproof body, protection grade up to IP67.

- Wide range working temperature, -35℃～70℃.

2. Notice

- Please make sure rated output voltage of the wind turbine same with the rated voltage of the battery.

- When test, please make sure connect the controller to wind turbine and battery at the same time, otherwise controller will be broken.

- Connect in order: Connect to the battery first, then connect to the output wires of the wind turbine.

- Connect to the battery correctly. The "+" of the controller with the "+" of the battery, the "-" of the controller with the "-" of the battery.

3. Indicator Lamps

● Green light（Left）: Battery Connection Indicator. When the battery is connected correctly, the green light will be on.

● Green light（Middle）: Wind Turbine Charge Indicator. When getting the output from the wind turbine, the light will flash. The rotate speed of the wind turbine become bigger, the Green light will flash faster.

● Red light（Right）: Wind Turbine Brake Indicator. When the wind speed is too big or the battery is full charged, the controller will make the wind turbine brake to protect the system.

4. Technical Specification

Model Number	SF15-48
Rated Battery Voltage	48V
Rated Wind Turbine Power	1500W
Brake Voltage	60V
Recovery Voltage	54V
Max Input Current	35A
Indicator	LED (3 PCS)
Dimension	150mm×130mm×50mm
Quiescent Current	≤15 mA
Protection Grade	IP67