

## Waterproof Charge Controller of Wind Generator

### User Manual(1000w-2000w)-48v

PLEASE READ THESE INSTRUCTIONS CAREFULLY PRIOR TO INSTALLATION OR OPERATION OF THIS PRODUCT.



## **1. Safety Instructions**

1.1 Please make sure the output voltage of wind generator is consistent with rated battery voltage.

1.2 Please connect the cables of plus-n-minus of battery firstly and then connect the three cables of wind generator.

1.3 Please make sure you connect battery and wind generator with controller according to this instruction, opposite polarity or wrong position connection will result in abnormal operation of system or damage of system components.

1.4 When operating hand braking, please make the smaller red cable and battery anode in short circuit, then controller will brake. Disconnect the smaller red cable, hand braking function will be cancel.

## **2. Wiring**

2.1 Connect the “+” and “-“of battery with battery plus-n-minus input terminals of controller.

2.2 Connect the three cables of wind generator with three voltage input terminals of wind generator of controller.

## **3. Lights**

3.1 When battery light (green) is on, it indicates battery connection is normal.

3.2 When wind generator light (green) is on, it indicates wind generator connection is normal and it shows the rotation speed of wind generator by twinkle speed.

3.3 When brake light (red) is on, it indicates controller is braking automatically due to battery full charged or over-current protection function operation of controller.

## 4. Technical Data

Items	FW10-48	FW20-48
Rated Battery Voltage	48V	48V
Rated Wind Generator Capacity	1000W	2000W
Wind Generator Braking Voltage	60V	60V
Wind Generator Recover Voltage	54V	54V
Wind Generator Braking Current	25A	50A
Display Mode	LED	LED
Ambient Temperature	-35~+75℃	-35~+75℃
Dimensions(L x W x H)	150mm×132mm×48mm	
Quiescent Current	≤20 mA	≤20 mA
IP Protection Level	IP67	IP67