YAMPE

FW10-48 Waterproof Charge Controller of

Wind Generator Instruction

1. Function:

✧ Controller for wind generator to charge the battery automatically. After the battery is charged (60V), the controller will stop the wind generator automatically. When the voltage of the battery is down to the recover voltage (54V),the controller will charge the battery again, this way it protects the battery and the wind generator.

✧ Thanks to the voltage and current control, not only it provides the best charging, it also protect the wind generator and the battery from over- and discharge load.

✧ Special reverse polarity protection circuit. If there is connected a battery with the wrong polarity, the controller has a protection circuit for it, this makes the system more reliable.

✧ With LED light showing the working state.

1.Controller green light (BATTERY) is lighting ,it means the battery is connected and working.

2.Controller green light (CHARGE) is flashing, it means the wind generator is working, the speed of the light flashing means how fast the generator is spinning.

3.Controller red light (BRAKE) is lighting, it means the battery is fully charged, and the controller brakes the wind generator.

✧ IP67 Waterproof let the controller work at places with large humidity or heavy weather.

2. Precautions

1.Make sure the wind generator output voltage is adjusted to the rated voltage of the battery!

2.Please connect first the battery to the controller, then connect to the wind generator.

3.Although the controller have a protecting safeguard, please still strict compliance with operating procedures, this prevents to break the controller, the battery and the wind generator.

3. Technical Parameters：

Model	FW10-48
Battery rated voltage	48V
Wind generator rated power	1000W
Wind generator braking voltage	60V
Wind generator recover voltage	54V
Wind generator braking current	30A
Display method	LED
Operating temperature	-35~+75℃
Dimension	150mm×132mm×48mm
Quiescent power consumption	≤20 mA
Degree of protection	IP67