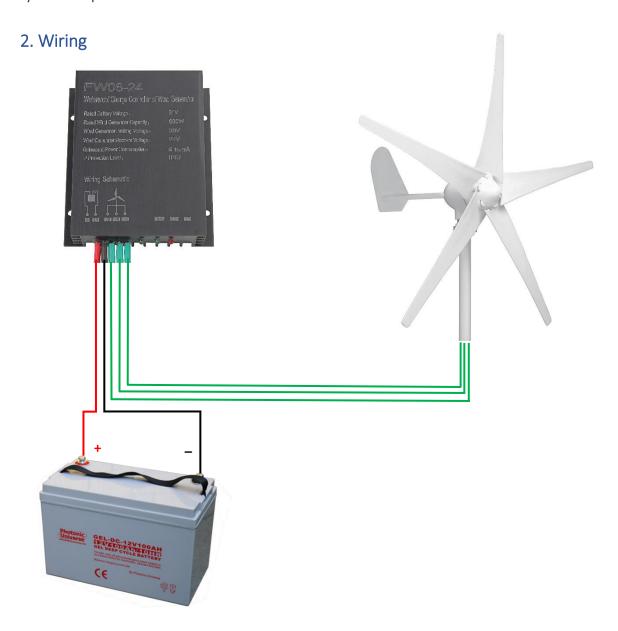
## Waterproof Wind Charge Controller User Manual

300W 12V (FW03-12), 400W 12V (FW04-12), 600W 24V (FW06-24)

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

## 1. Safety Instructions

- **1.1** Ensure that the output voltage of the wind generator is consistent with the rated battery voltage.
- **1.2** Connect the positive and negative battery cables first, before connecting the three wind generator cables.
- **1.3** Ensure that connection of the battery and wind generator follows the instructions provided. Reverse polarity or incorrect connection will result in abnormal system operation or damaged system components.



- **2.1** Connect the "+" and "-" battery terminals to the corresponding battery input terminals of controller.
- **2.2** Connect the 3 wind generator cables to the 3 wind generator voltage input terminals of the controller.

## 3. LED Indicators

- **3.1** Green battery light is on = Battery connection is normal.
- **3.2** Green wind generator light is on (constant) = Wind generator connection is normal.
- **3.3** Green wind generator light is on (flashing) = Speed of flashing indicates the rotation speed of the wind generator.
- **3.4** Red brake light is on = Automatic brake mode enabled due to fully charged battery OR over-current protection function has been enabled

## 4. Technical Data

Specifications	FW03-12	FW04-12	FW06-24
Battery Voltage	12V	12V	24V
Min. Wind Generator Capacity	100W	100W	100W
Max. Wind Generator Capacity	300W	400W	600W
Wind Generator Braking Voltage	14.5V	14.5V	30V
Wind Generator Recovery Voltage	13.5V	13.5V	27V
Display Mode	LED	LED	LED
Ambient Temperature	-35~+75°C	-35~+75°C	-35~+75°C
Dimensions (L x W x H) mm	100 × 87 × 28	150 x 87 x 28	100 × 87 × 28
Quiescent Current	≤20 mA	≤20 mA	≤20 mA
IP Protection Level	IP67	IP67	IP67