

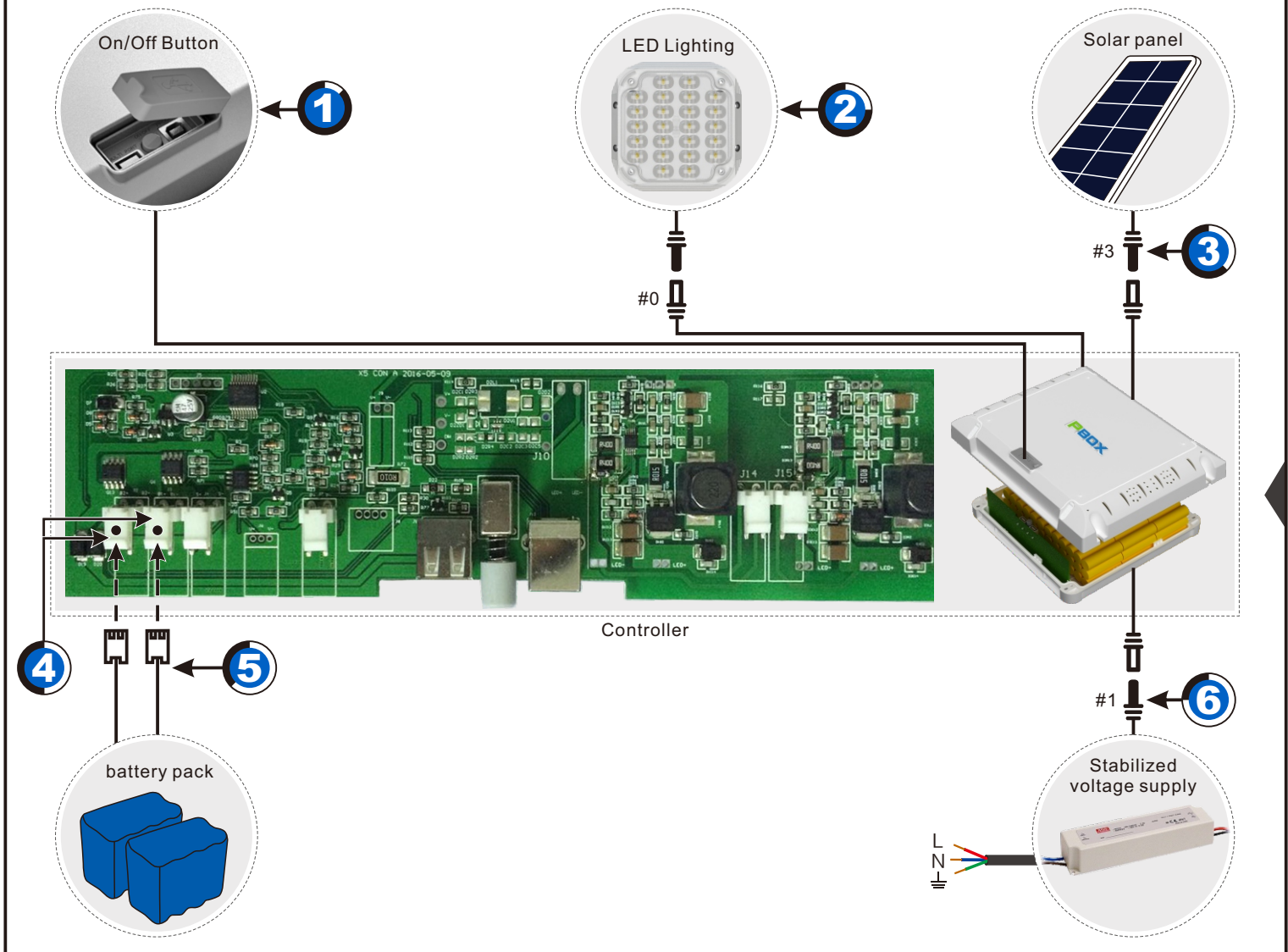
# Maintenance Guide of X5 Series



**Attention: Short circuit is not allowed on the battery positive and negative electrode or the probe when testing.**

**How to use the multi-meter:**

1. Shift the multi-meter to the DC voltage gear.
2. Check the voltage of each component according to methods shown in the figure.



|             |      |                   |                         |
|-------------|------|-------------------|-------------------------|
| Model Name  | S/N. | Installation Date | Problem Date            |
| Description |      |                   | Never turn on or not    |
| Weather     |      |                   | Solar panel orientation |

Check wire connection between controller and head light, check the connection of utility power.

|  | Test step | Test modules  | Test process  | Reference                                    |
|--|-----------|---------------|---|--|
| Test result<br>(Test after expose to sunshine two hours) | ① ②       | Switch module | Press switch, wait for one minute, if the LED is bright or not?<br><input type="checkbox"/> Yes <input type="checkbox"/> No, Measure #0 wire voltage. | Cable No.0 ( V)<br>Cable No.0 ( V)    >14V   |
|  | ③         | Solar panel   | Put Solar panel under the sunlight, check the voltage of solar panel.   | Cable No.3 ( V)    17~22V                    |
|  | ④         | Controller    | Put the solar panel under the sun, pull out the battery pack cable and then test the voltage of 2 terminals on controller port ④ with multimeter.     | Terminal 1 ( V)<br>Terminal 2 ( V)    17~22V |
|  | ⑤         | Battery       | check the wire output voltage of battery group.   | Battery1( V)<br>Battery2( V)    11~14V       |
|  | ⑥         | AC module     | Measure the voltage fo stabilized voltage supply Cable No.1. (only measure if with AC module option)  | Cable No.1 ( V)    12V                       |