

USER'S MANUAL

Thanks for choosing solar charge controller, Gamistar is always pursuing the combination of high quality and fashion design, to change the industrial product more acceptable by common family.

Gamistar product chooses high performance components, with strict production standard, Gamistar ensures product with long life span and stable quality, before enjoy the advantages Gamistar bring to you, please read the user manual carefully.

1.Backlight Design

With Color Backlight Display Function The user can clearly check the working status in the night , meanwhile with very small power consumption

1. Connect 12V or 24V battery to solar controller;
2. Connect 18V or 36V solar panel to solar controller;
3. Connect 12V or 24V load to solar controller.

1. Uninstall solar panel from solar controller;
2. Uninstall load from solar controller;
3. Uninstall battery from solar controller.

User can see the input current and voltage from the solar panel, the function helps user to test the quality of solar panel($\text{current} \times \text{voltage} = \text{power}$).

When 12V or 24V /48V load connected to the controller works, the screen show the output current, this function helps user master the working status of the load.

This controller have 2 groups of USB output (4 pcs), each group with 2A current which able to charge 4 pcs of iPhone 6S at the same time.

6. Over-charge, over-discharge, short-circuit protections, to ensure system safe and prolong battery life.

Different from normal LCD screen which is difficult to understand for users not professional, this controller use big size Color backlight LCD to show different parameters , users can easily read the current, voltage from the screen, and master the system status quickly.

MAX.Input Current	10A	20A	30A	40A	50A	60A	50A	60A
Input Voltage	MAX.50V						MAX.100V	
Battery Voltage	12V/24V AUTO.						12V/24V/48V AUTO	
Full Voltage Cut-off	14.4V/28.8V +/-0.2						14.4V/28.8V/57.6V +/-0.2	
Low Voltage Cut-off	10.7V/21.4V +/-0.2						10.7V/21.4V/42.8V +/-0.2	
Charge Mode	PWM							
No Load Loss	10mA		20mA		30mA		30mA	
Temp.Compensation	- 4mV/°C							