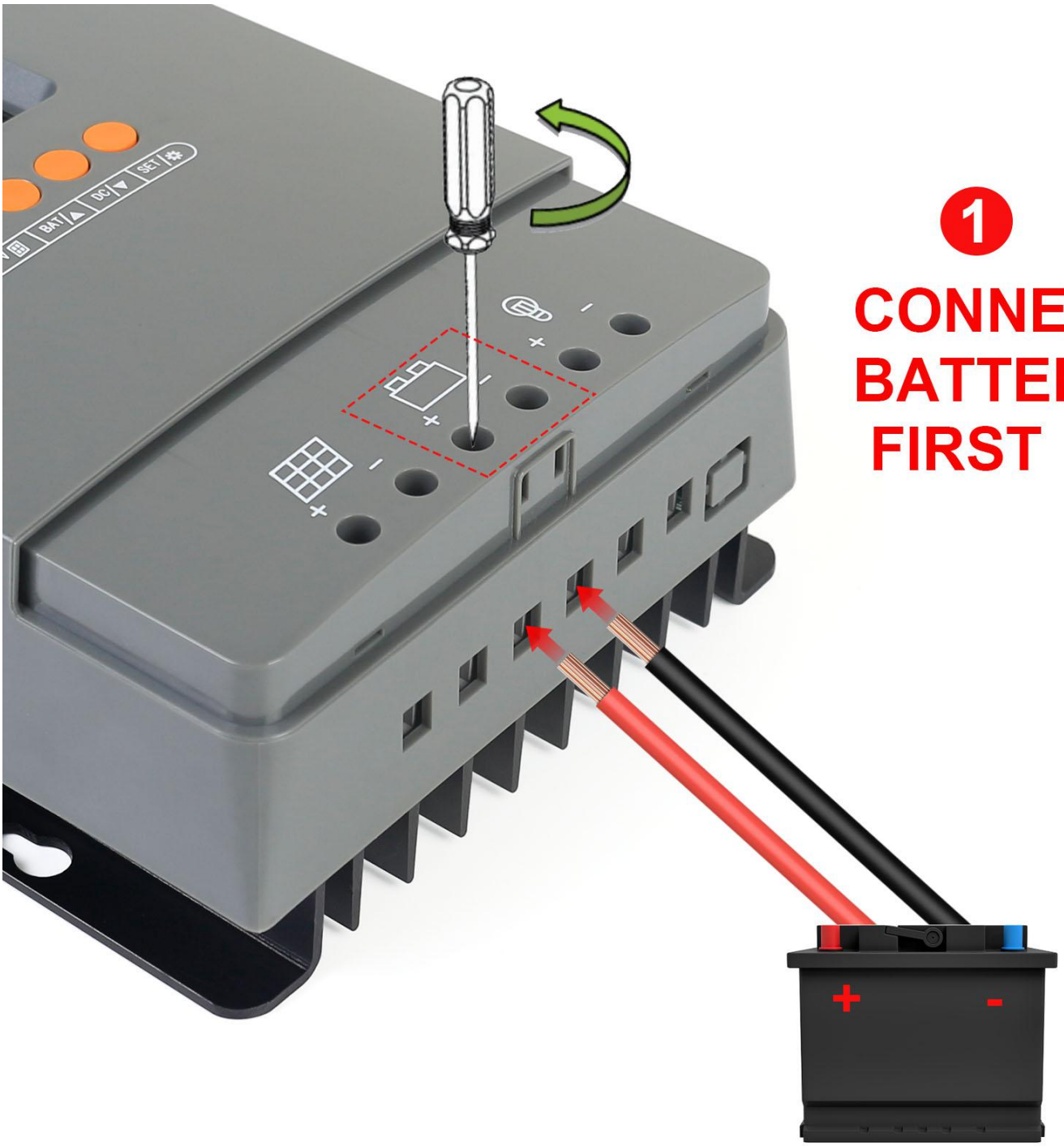
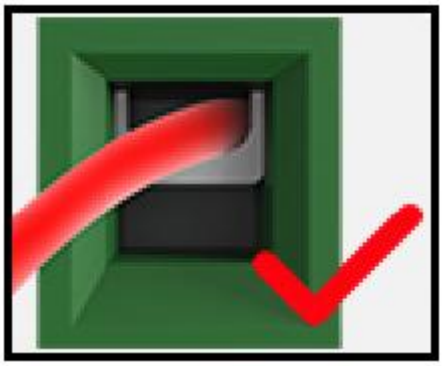
Quick Installation Guide





1

CONNECT BATTERY FIRST



HOW TO WIRE YOUR SOLAR CONTROLLER?

1.(Controller terminal side)**Turn** the adjusting screw counterclockwise until **the plate inside terminal moves downward.**

2.(wire)Please **peel off the coating** of the cable tip by about 8 to 10 mm

3.**Insert** the wire into the new opening between the plate and **the "top" of the terminal hole.**

4.When **turning** the adjuster clockwise, the **plate moves upward and crushes** the wire in the hole of the terminal.

5.Make sure all connections going into and from the solar controller are **tight**.

Note： This solar controller charging is from high voltage to low voltage, please make sure solar panel voltage is higher than battery voltage, otherwise it cannot be charged.



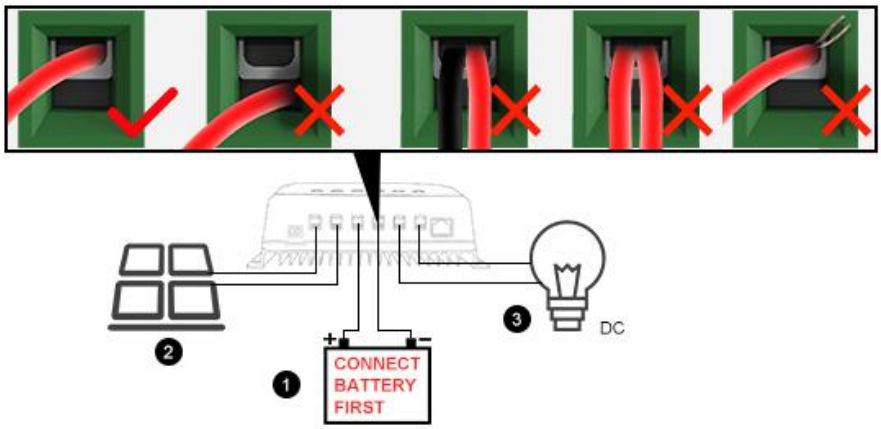
2 CONNECT SOLAR PANEL

	12V battery	24V battery	36V battery	48V battery
Max Solar power	720W	1440W	2100W	2800W
Solar voltage range	20Vdc~80Vdc	37Vdc~105Vdc	50Vdc~160Vdc	72Vdc~160Vdc
**For safety please connect the battery solar panel within the recommended range				

Tips: When battery connected, Controller will Automatically detect 12V/24V/36V/48V DC system voltages, but you still need choose your battery tpye. If you find the pre-set battery type's charging voltage doesn't match your battery, please choose battery type as 'User' to set your own charging parameter.

When Wiring, Please

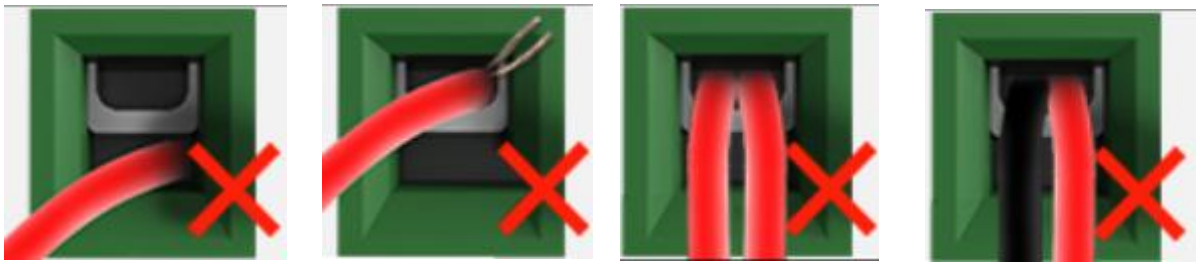
1. Make sure your battery must be atleast 60% charged prior to connecting to solar controller.
2. Always connect and turn on your battery first! Wire your PV after LCD screen power on.
3. Never connect your PV array to the solar controller when LCD OFF.
4. Careful your input power and voltage does not exceed the solar controller's max value.
5. Always connect battery first, then solar panel.



Important: During the operation of the controller, heat will be generated at the wiring terminal, incorrect wiring will cause safety hazards.

DO NOT

1.Don’t put wire under the terminal’s plate.
2.Don’t Put two or more wire in one termnial, each terminal only accpet one.
3.Don’t exposed copper outside the terminal; (The exposed copper wire needs to be tightly and completely connected to the terminal.)
4.The wiring must be tight and not loose.



Button Operation



PV button

Press "PV/" to browse PV voltage and PV current
(*PV button is only for viewing parameters, no setting function)



Batt/up button

Function 1: when display show battery type C-voltage, Press and hold " BAT/▲ " until the value flashes, then press " BAT/▲ " " DC/▼ " button to adjust value, press " SET/ " to confirm and save.



(Figure2-1 Battery type)



(Figure2-2 constant charge voltage)

Function 2: Press " BAT/▲ " to Browse Controller parameters.
(*Only battery type and constant charge voltage can be set, other parameters can be viewed by pressing the button)



DC/down button

Function 1: 【Load mode setting】Press and hold DC/▼ until value flash, then enter 【Load mode setting】.

****Load Mode Instruation****

-00H: Load Turn OFF

-24H: Load always Turn ON

-01H~23H: Time control（Set load ON's duration）

Function 2: When controller in setting mode press " DC/▼ " to adjust the value.



SET button

Function 1: When controller in setting mode, press " SET/ " to save parameters

Function 2: 【Reset Controller】Press and hold until All parameters on the screen flash.