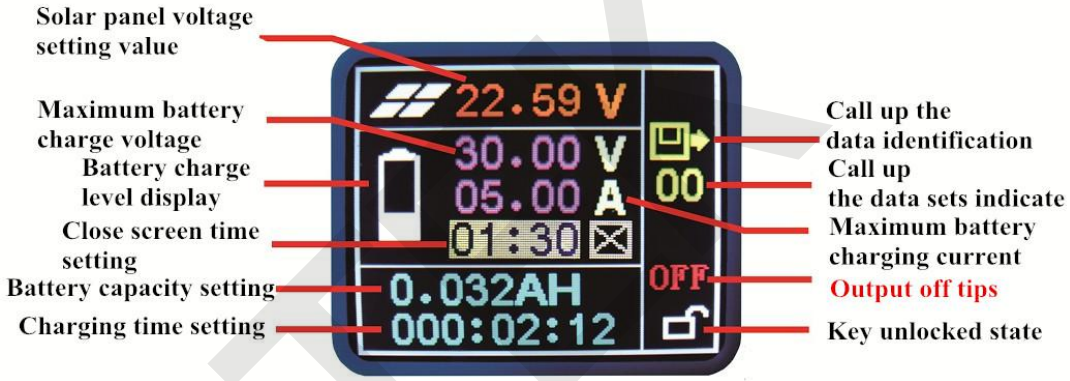
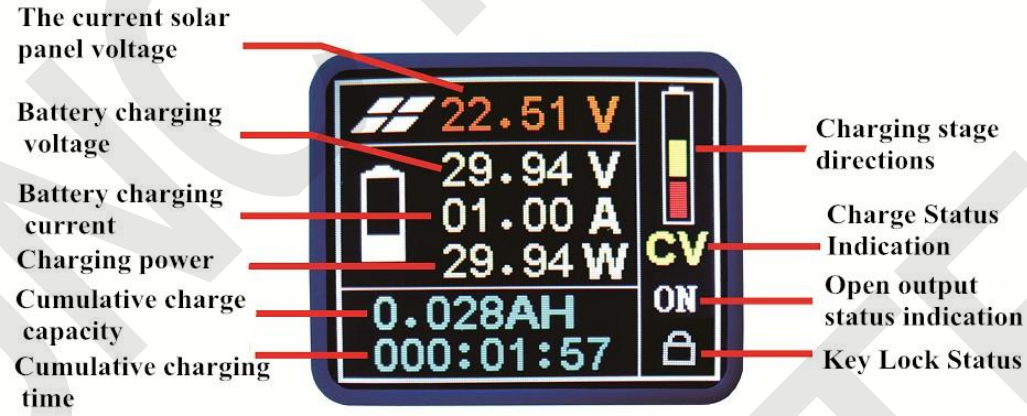
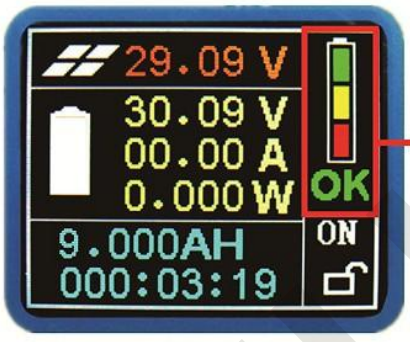
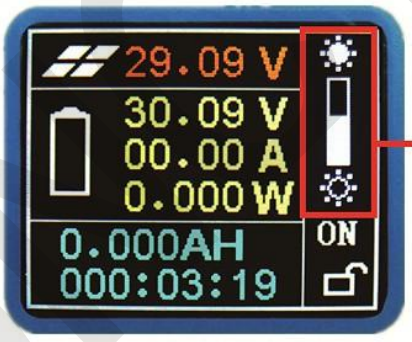
# Display Description



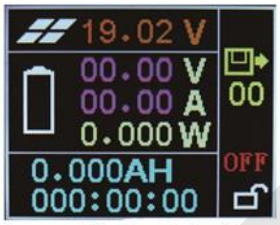

Charging has completed prompt



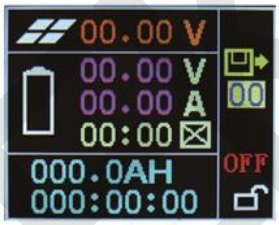

Dimming Tips

# the steps

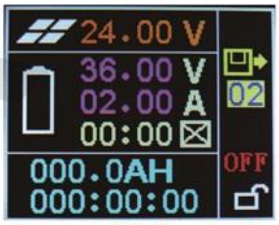
The instrument uses 160 * 128 high-resolution color LCD display, with interactive menus and flexible buttons, allowing you to operate special square wave. Below 18V 100W solar panels 24V 7.2AH battery charging example to explain the procedure.



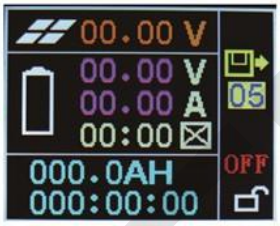

Power display interface, showing currently measured solar panel voltage 19.02V.



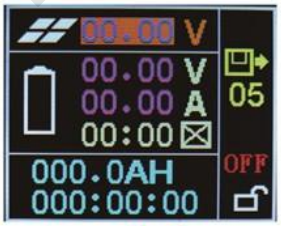

Short press SET , to start the data group setting



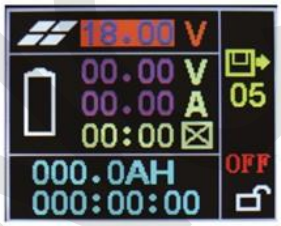

Press ▲ or ▼ can be selected through the previously stored data set



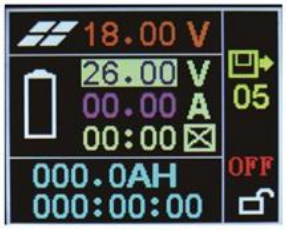

Press ▲ or ▼ the data set is set on the group



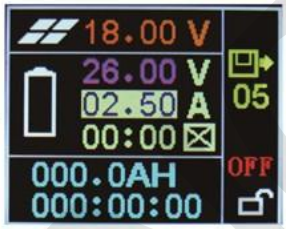

Press SET to start the solar panel voltage setting



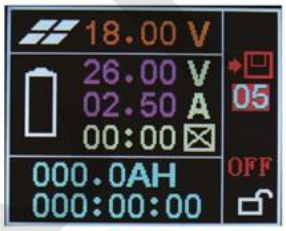

Press ▲ or ▼ solar panel voltage is set to 18V




Press SET and ▲ will limit the battery charging voltage is set to 26V



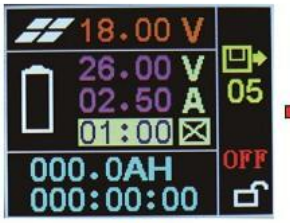

Press SET and ▲ the battery charging current limit is set to 2.5A




Press SET if the tips above set data storage In the first 05 data sets press ▲ or ▼ to change the storage location of the data set, press OK storage settings,press SET to repeat the setup process.

long press SET

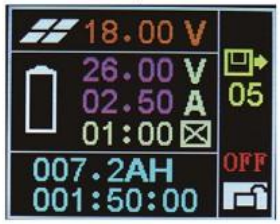
Turn the next line




Press SET after let go can be set to turn off the screen time, by ▲ or ▼ buttons to set the screen automatically turns off 1 minute

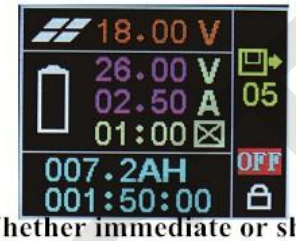
Press SET and ▲ the battery capacity is set to 7.2AH.

Press SET and ▲ to set the timer charging time is 1 hour 50 minutes.time to reach can not beset to automatically stop charging




Press(SET) to enter the Lock Settings

Press (up arrow) button is set to the locked state, in this state, unless a long press unlock the other key is invalid, to prevent misuse




Whether immediate or short press (SET) can be set to call up the data in this group. confirm the data is correct, press (OK) to open the output to start charging

Press ▲ or ▼ is set to ON state, of this set of data is set immediately output to start charging.

Press SET if the tips above setting data stored in the first data set 05

Above to call up the process and save the settings set and data set of the data controller. Solar panel voltage recommends setting its nominal value, such as do not know, you can set Found 19.02V on power-up. Battery charging set voltage and current values must not exceed the limits of the battery, otherwise there is the risk of burn out of the battery, a fully charged battery is generally set to the state of the output voltage and the maximum permissible charging current value. Here's how to call up the data set above the battery charging process.

Press SET with ▲ or ▼ to call up the data on the group.

Battery voltage

Recharging current

Maximum charging electric power

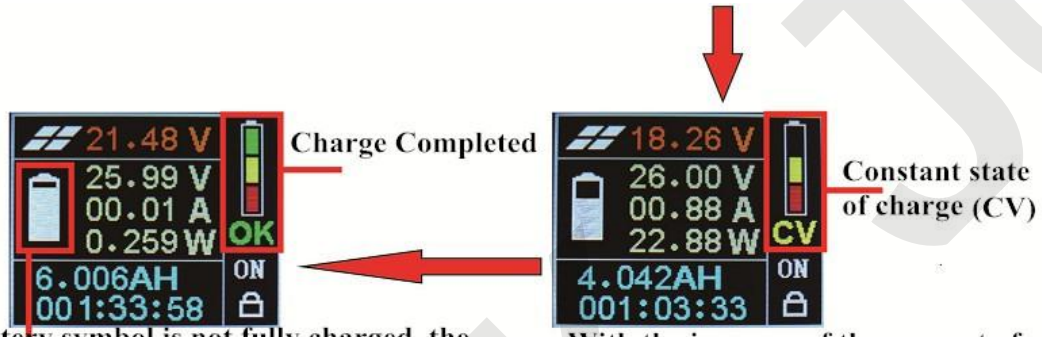
Cumulative charge capacity

Cumulative charging time

When the maximum power point tracking solar panel voltage

Constant current charging status (CC)

Press OK constant current charging started, the interface constantly beating data, automatically track to track the maximum power point has stabilized.

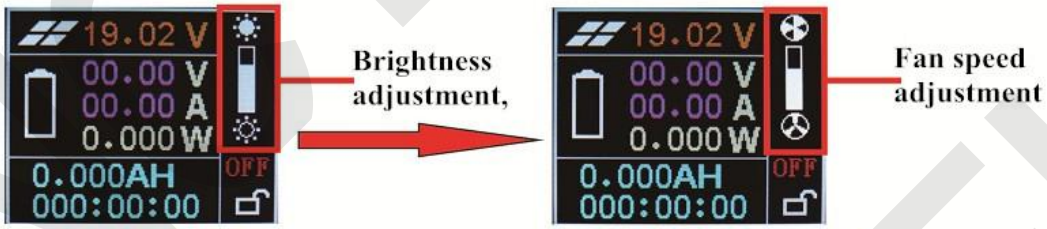



Battery symbol is not fully charged, the actual charge has been completed, because the actual nominal 7.2Ah battery charge and discharge capacity is only 6Ah, it suggested that the battery capacity can be set to 6Ah.

With the increase of the amount of charge, began to enter the constant state of charge, the charge current gradually decreases until the battery is fully charged.

In any process, press OK to lock or unlock the keys,key lock recommend long-term use.it is recommended to set a good time to turn off the screen， lower power consumption, such as engineering, long-term use, do not set the timer charging time, prevent the arrival time after the controller has stopped working.

Here's how to adjust the screen brightness and fan speed operation.




In the non-charging state
Long press ▲ Brings up the screen brightness, Press ▲ or ▼ add and subtrac screen brightness.

Press SET With ▲ or ▼ Adjustable fan speed
When finished, press OK to save the settings.

1、Long-term use, it is recommended to save in the ON state to set parameters to 00 positions, so that you can work automatically after the sun rises.

2、The controller for the boost mode, the required output voltage is higher than the input terminal voltage, so the system configuration process, please ensure that the battery voltage is higher than the voltage of the solar panel.