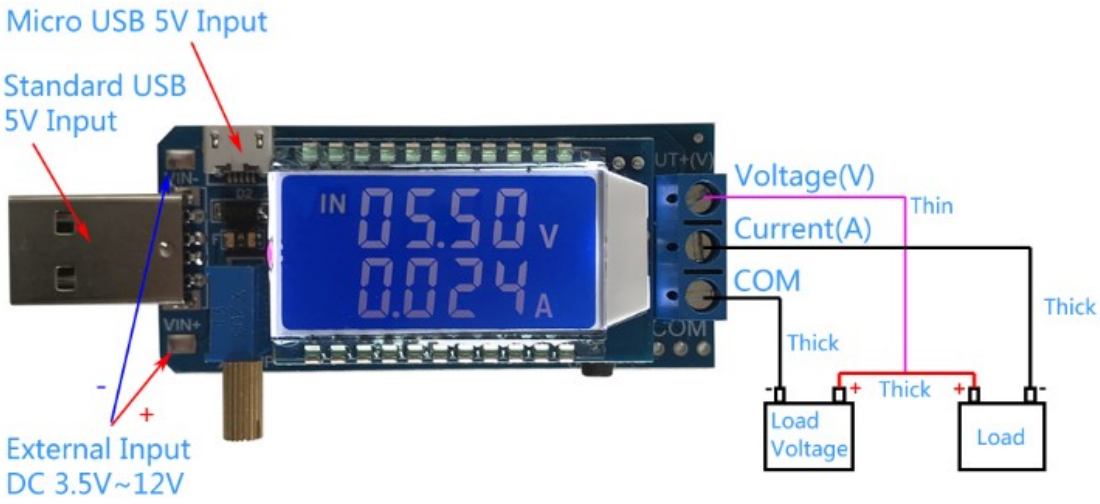
VAH Mode : Wiring Diagram



Measure Voltage(0~35V), Current(0~3A), Power(0~110W),
Battery Capacity(0~9999Ah), Discharging Time(0~100h)

In VAH work mode,it can be used as multi-function voltage ammeter.

It can be used to measure voltage,current,power,battery capacity,discharging time

Calibrate Voltage/Current

1>.Calibrate Voltage:Keep press button ON/OFF before power ON and then power ON and release button.Automatically enter calibration mode after 5 second.The voltage display will flashing.Short press button to adjust and calibration voltage. Adjustment range is -0.2V~0.2V.Enter current calibration mode if keep press button for 2 second.

2>.Calibrate Current:Enter current calibration mode if keep press button for 2 second after Calibrate Voltage.The current display will flashing.Short press button to adjust and calibration voltage. Adjustment range is -0.02A~0.02A. Automatically save parameters and return to the normal display interface if keep press button for 5 second.

3>.User needs to repeat the correction multiple times. If the voltage(current) error exceeds 0.2V(0.02A).

4>.For example:Change 12V to 12.5V:

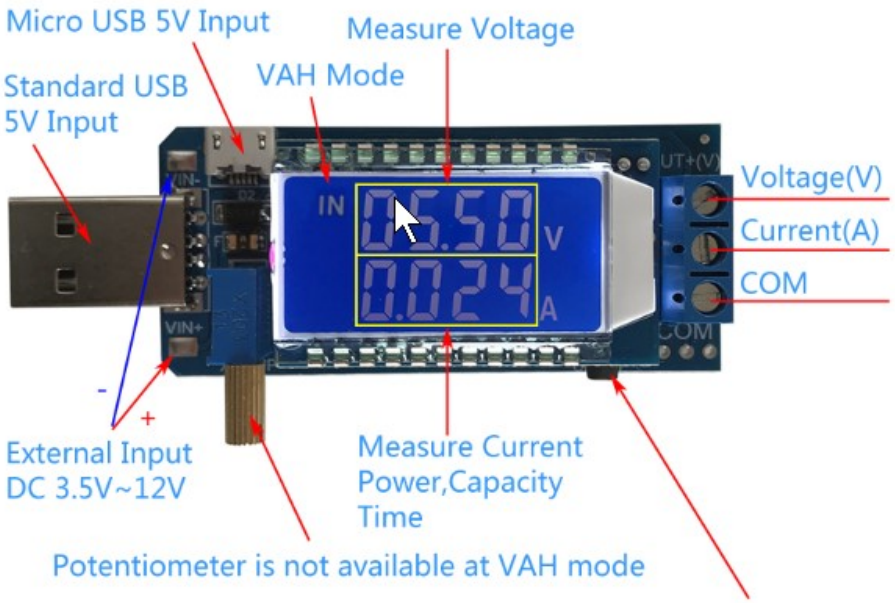
4.1>.First calibration:Change 12V to 12.2V

4.2>.Second calibration:Change 12.2V to 12.4V

4.3>.Third calibration:Change 12.4V to 12.5V

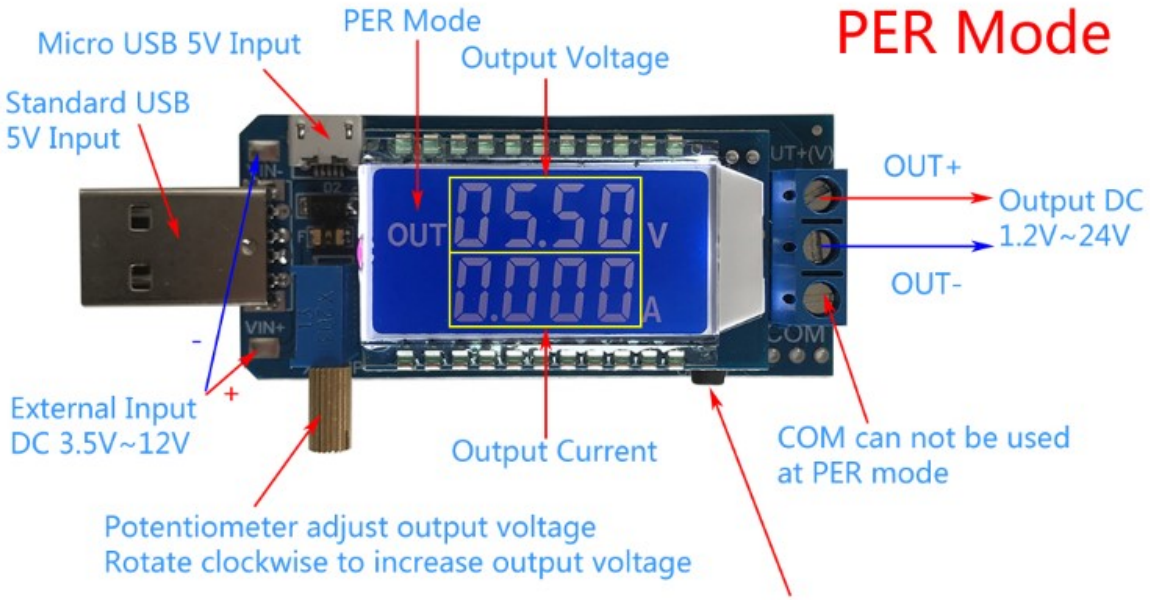
VAH Mode

Measure Voltage(0~35V), Current(0~3A), Power(0~110W), Battery Capacity(0~9999Ah), Discharging Time(0~100h)



1.Short press button ON/OFF to switch display Measured Device Voltage,Current, Power,Time.And also can measure Battery capacity,Battery discharging time if connect battery.
2.Keep press button ON/OFF for 5 second to turn ON or OFF display screen backlight.But the module can output voltage normally.
3.Keep press button ON/OFF for 10 second to turn switch work mode PER or VAH.

The module does not support reverse connection protection, please do not short circuit and reverse.



1.Short press button ON/OFF to turn ON or OFF output voltage.At this time, screen will display 0V.
2.Keep press button ON/OFF for 2 second to switch display output current or output power at the second line.
3.Keep press button ON/OFF for 5 second to turn ON or OFF display screen backlight.But the module can output voltage normally.
4.Keep press button ON/OFF for 10 second to turn switch work mode PER or VAH.

It is a low power output power module, please pay attention to the output power.

Maximum output power within 2W when output DC 1.2V~2V;
Maximum output power within 3W when output DC 2V~20V;
Maximum output power within 2.5W when output DC 20V~24V;

The module supports over-power protection. If the rated power is exceeded, the module will automatically stop output voltage and the LCD will display OPP and flash.