

Product Manual


Features:

- LCD DISPLAY:**
bright and easy to read, soft light at night
- ADJUSTABLE BATTERY TYPE:**
suitable for lead acid batteries, lithium batteries, LiFePO4 batteries
- MULTIFUNCTION:**
battery capacity, battery voltage, real-time temperature display
- WIDE TESTING RANGE:**
10-300V wide voltage input, reverse polarity protection
- OPTIONAL time-delay FUNCTION:**
can set delay time, low power consumption
- LOW BATTERY CAPACITY SIGNAL:**
when the battery capacity is too low, the lightning sign will flash in red light
- OPTIONAL ALARM LIGHTS FUNCTION:**
can set alarming voltage, can set the alarming lights function to be on or off
- PROGRAMMING MODE:**
set the function you need to be on or off and adjust the value to meet your using needs


Product Parameters

Parameter	Min.	Typ.	Max	Unit	Value
Product Size				mm	61.5*33.5*13.5
Installation Size				mm	58.5*28.5
Display Size				mm	33*16.5
Product Weight	20	21	22	g	
Working Voltage	10		100	V	
Power Consumption		8	10	mA	
Voltage Accuracy		±0.1	±0.5	%	
Temperature Accuracy		±0.5	±1	℃	
Temperature Range	-20		85	℃	
Standby Consumption		15	20	μA	20V
Alarming Light Voltage	10.5		60	V	ADJUSTABLE
Working Temperature	-10	25	65	℃	


USING GUIDANCE

Connect the red wire to the battery positive pole, connect the black wire to the battery negative pole. Then the screen will display battery capacity, battery voltage and temperature. At this time, you can press  to control this meter to be power on or off.

HOW TO USE the PROGRAMMING MODE

- When the meter is power on, long pressing "SET" on the back for 2 seconds, then it will enter the main menu like it showed in the picture.
- In the main menu, there are 6 submenus, 1--2--3--4--5--6--
- Press "SET", you can cycle through these 6 submenus.
- Function of the 6 submenus:
1--: choose battery type, lead acid battery, lithium battery, LiFePO4 battery optional
2--: time delay function, select delay time length from 10-120 S.
3--: set the upper limit voltage and lower limit voltage of percentage
4--: set the alarm lights to be on or off, set alarming voltage value
5--: set the Overheated buzzer
6--: recalibrate the meter voltage
- Choose a submenu, press  to enter, long pressing "SET" to exit.
- The meter save the parameter you set at the last time.



1-- : how to change the battery type

When you are in 1-- submenu, long press "SET" to switch between L/F/P, choose the right battery type, then press "SET" to enter, when you choose L/F, you need to set the battery serial number, when you choose P, you need to select the right voltage, when you finish the selecting, long pressing  to save your set, if you don't want to change the set, long pressing "SET" to exit.

For example: L3 means 3S lithium battery, F4 means 4S LiFePO4 battery, P12 means 12V lead acid battery





2-- : how to set the power off time-delay function

When you are in 2-- submenu, press "SET" to choose on or off, when you choose on, then you press  to enter time setting, choose 10SECS, 30SECS, 60SECS, 120SECS to set time delaying length, when you choose off, you don't need to set the time, just long pressing  to save your set, if you don't want to change the set, long pressing "SET" to exit.

When reached the setting time, the meter will automatically shuts down and enters the low power consumption.



3-- : how to change the upper limit voltage and lower limit voltage of percentage

when you are in 3-- submenu, there will be two value on the screen. The left value is the corresponding voltage of 0% capacity, right value is the corresponding voltage of 100% capacity. You add up the six figure with "SET" button, press  to switch between the six figure. Long pressing  to save your set, if you don't want to change the set, long pressing "SET" to exit.

ATTENTION: the figure you set can't exceed the working voltage of the meter, if the lower limit voltage=upper limit voltage, the data will not be saved, if this two voltage are different and saved, then the default set in parameter 1-- will not work. Please use this function with caution.



4-- : how to set the alarm lights function and alarming voltage


When you are in 4-- submenu, you can press "SET" to set the alarm lights function to be on or off, when you choose on, you can set alarming voltage, press "SET" to add up voltage, press  to switch from the 3 figure of voltage. After you finish setting, you can long pressing  to

save the setting, if you don't want to change the set, long pressing

"SET" to exit.




5-- : Temperature unit setting

When you are in 5-- submenu, when the "C" flash, press "SET" to choose "F", long pressing  to save your set, or long pressing "SET" to exit.



6-- : how to recalibrate the meter voltage

Connect the meter to standard 20V voltage device, when you in 6-- submenu, long pressing  to recalibrate.