

Product Manual

Features:

1. LCD DISPLAY:

bright and easy to read, soft light at night

2. ADJUSTABLE BATTERY TYPE:

suitable for lead acid batteries, lithium batteries, LiFePO4 batteries, Ni-MH batteries

3. MULTIFUNCTION:

battery capacity, battery voltage, real-time temperature display

4. WIDE TESTING RANGE

10-100V wide voltage input, reverse polarity protection

5. OPTIONAL time-delay FUNCTION

can set delay time, low power consumption

6. LOW BATTERY CAPACITY SIGNAL

when the battery capacity is too low, the lightning sign will flash in red light

7. OPTIONAL ALARM LIGHTS FUNCTION

can set alarming voltage, can set the alarming lights function to be on or off



8. 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	36*19.5
Product Weight	20	21	22	g	
Working Voltage	10		100	V	
Power Consumption		5	6	mA	
Voltage Accuracy		±0.1	±0.5	%	
Temperature Accuracy		±0.5	±1	℃	
Temperature Range	-20		85	℃	
Standby Consumption	6	10	12	μA	20V
Alarming Light Voltage	11.5		100	V	ADJUSTABLE
Working Temperature	-10	25	55	℃	

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 and battery voltage. At this time, you can press , then the screen will show the temperature and battery capacity.  With this button, you can control this meter to be power on or power off.

HOW TO USE the PROGRAMMING MODE

1. When the meter is power on, long pressing  for 5 seconds, then it will enter the main menu like it showed in the picture.



2. In the main menu, there are 5 submenus, 1-- ,2-- ,3-- ,4-- ,5--

3. Press , you can cycle through these 5 submenus.

4. Function of the 5 submenus:

1-- : choose battery type, lead acid battery, lithium battery, LiFePO4 battery optional

2-- : time delay function, select delay time length

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-- : recalibrate the meter voltage

5. Choose a submenu, press  to enter, long pressing  to exit.

6. The meter save the parameter you set at the last time.





1-- : how to change the battery type

When you in 1-- submenu, you press  to switch between L/F/P, choose the right battery type, then press  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  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

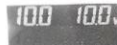
When you in 2-- submenu, press  to choose on or off, when you choose on, then you press  to enter time setting, choose 10SECS, 30SECS, 60SECS, 120SECS to set time delaying length, when you choose off, you don't need to set the time, just long pressing  to save your set, if you don't want to change the set, long pressing  to exit. If the time-delay function is on, there will be a D sign on the screen.








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

when you 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  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  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 in 4-- submenu, you can press  to set the alarm lights function to be on or off, when you choose on, you can set alarming voltage, press  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  to exit.



5-- : how to recalibrate the meter voltage

Connect the meter to standard 20V voltage device, when you in 5-- submenu, long pressing  to recalibrate.