IC GOGOGO store

Store link :
https://www.aliexpress.com/store/2856009

E-mail :1063507998@qq.com
F-
Phone/Wechat:008615072491291

This charger links :
https://www.aliexpress.com/item/4000385493813.html
https://www.aliexpress.com/item/4000385877245.html

the red is DC output postive +

the black is DC output negative -

middle socket is AC 220V input

This cylinder adjusts the current. Press the cylinder inward to turn off charge. Turn it on again can open charge .

1.Current and voltage adjustment: Voltage setting method: Turn the knob to the left, and the red number (voltage) on the right. Start strong flashing, press the knob at this time,

the red number enters the weak flashing state, adjust the voltage by turning the knob, the left turn decreases, and the right turn increases. after adjust , push confirm button then can have output voltgae. If you do not push confirm button for a few seconds, the current output state will remain unchanged. Current setting method: Turn the knob to the right, the green number on the right is the current, and other settings are the same as the voltage.

1.power on

In the power off status, press the knob to turn on, the nixie tube will flash and display the output voltage and current set up last time. After 5 seconds, the output will start and enter the main interface to display the real-time output status of the current voltage and current.

The red number represents the output voltage

The green number represents the output current

2.pause and power off

1. Pause: In the standby screen, press the knob once, the CL indicator will light up, and the red numbers will display the battery voltage and OFF (as shown above), and the power output will be suspended at this time.

2. Power off: In the pause screen, press and hold the knob until the power is turned off.

Note:

1. In the pause screen, the red math represents the battery voltage, and the green OFF represents the pause.

2.Press and hold the knob in the pause screen to shut down, press and hold the knob for 3 seconds in the standby screen to lock the screen.

3.Lock screen and unlock

1. Lock the screen: In standby mode, press and hold the knob for more than three seconds, the closed marquee pattern shown in the figure below will show that the screen is locked.

2. Unlock: When the screen has been locked, press and hold the knob for

more than three seconds to unlock the marquee pattern as shown in the figure above.

4.set up voltage

Turn the knob, as shown in the figure above, when the red voltage value flashes, press the knob to enter the output voltage value setting, turn the knob to change the value, press the knob again to save and exit.

White "one" represents: 9 groups of access menu entries for custom voltage and current

Red numbers represent: set voltage value

Green numbers represent: set current limit (maximum charging current value).

Note: After entering the setting, no operation within 5 seconds will automatically cancel the operation and exit the setting.

5.Set up current (max charge current)

Turn the knob, as shown in the figure above, when the green current value flashes, press the knob to enter the current limit setting, turn the

knob to change the value, and press the knob again to save and exit.

Note: After entering the setting, no operation within 5 seconds will automatically cancel the operation and exit the setting

6.Save and read voltage and current values

1. Storage: According to the fourth and fifth methods, first set the voltage and current, and then turn the knob, as shown in the figure above, when the white horizontal bar flashes, press and hold the knob for more than 3 seconds (important Say three times: press and hold the knob for more than 3 seconds, press and hold the knob for more than 3 seconds, press and hold the knob for more than 3 seconds) Enter the storage menu, the storage location can be selected from 1 to 9, and a total of 9 groups can be saved Pre-stored voltage and current values. After selecting the storage location, press the knob to save and exit.
2. Read: Turn the knob, as shown in the figure above, when the white horizontal bar flashes, press the knob to enter the read menu, you can read the pre-stored position, you can choose from 1 to 9, and choose the pre-stored to read After setting the value, press the knob to read the pre-stored value and set the output voltage and current value

Note: When the white horizontal bar flashes, you must press and hold the knob for more than 3 seconds to enter the storage menu, and only press the knob one time to enter the read menu.

7.Three-stage charge function (i.e. floating charge function)

1.. Turn on or off the three-stage charge

The white circle on the left is the function switch: when the white circle flashes, press the knob to turn on or off the three-stage charging function.

The white circle on the top represents: turn on the three-stage charging function

The white circle below represents: turn off the three-stage charging function

.2 set up parameters

The red number represents the float voltage,

This float voltage generally does not need to be adjusted manually. Every time the charging voltage is adjusted, the float voltage will be automatically changed to 93% of the charging voltage. For example: when the charging voltage is 14.8v, the float voltage is 14.8*0.93%=13.8

V.

The green number represents the jump current value. This jump current value (commonly known as the lamp current) will be automatically set to 30% of the charging current value. When the real-time output current of the power supply is greater than the jump current, the output voltage is the equalizing voltage, otherwise the output voltage is the floating voltage.

Turn the knob, when the value flashes, press the knob, then turn the knob to change the value

Note: If the battery is not connected, or the charging current is less than the jump current value, the voltage output by the charger is the float value, instead of setting the output voltage value

8.Charge power/capacity statistics function

Rotate the knob to turn to the menu shown in the figure above, and press the knob to turn on or off the charge statistics function.

The white circle on the left is the alternate display switch for charging capacity

The white circle on the top represents: the voltage, current and the

number of AH charged in the main interface are cyclically displayed

The white circle below represents: only voltage and current are displayed in the main interface

Long press the knob to view the charged AH number, and some functions will not be turned on or off

9.Display power/capacity statistics last time power on and charged.

After turning on the charging power statistics function, this menu (as shown above) saves the number of AHs that have been charged the last time it is turned on. (This record will be automatically overwritten each time the machine is turned off) Long press the knob to view the number of AH that has been charged last time

10. .Automatic power off function

The picture above is the menu entry for the automatic shutdown function. (That is, full shutdown function)

The white circle on the left is the function switch. When the circle flashes, press the knob to turn on or off the automatic shutdown function.

The white circle on the top represents: turn on automatic shutdown

The white circle below represents: turn off automatic shutdown

Press the knob to enter the next setting menu

The white flashing circle in the figure is the function switch. When the white circle flashes, press the knob to turn on or off the automatic shutdown function.

The red number represents the minutes of delayed shutdown

The green number represents the shutdown current value

As shown in the figure above, it means that when the charging output current is less than 1A, it will automatically shut down after the countdown starts 0 minutes.

Note: When the output current is less than the shutdown current, it starts to count down and automatically shut down. During the countdown, if the output current rises to greater than the shutdown current, the countdown will be cancelled and the time will return to zero; when the output current is lower than the shutdown current, the countdown will restart. After the countdown is over, the power supply will first switch to OFF and stop state, delay 10 seconds and then officially shut down.

11. .charge method

1) Before connecting the battery, you need to adjust the charging voltage and charging current. The voltage displayed after the battery is connected is the actual charging voltage.

2) The charging voltage value needs to be calculated based on the number of battery strings and the full voltage of a single battery. The number of battery series × the full voltage value of a single battery= the charging voltage value of the battery pack, for example: 16 strings of lithium iron phosphate batteries, the charging voltage is 16*3.65V=58.4V.

Note: The full voltage of a single lifepo4 is 3.65v, the full voltage of li-ion and lipo is 4.2v, and the full voltage of LTO is 2.7V

.3) The charging current setting needs to be set according to the battery type, charging method and the over-current capability of the battery protection board. You can refer to the following list for setting :

LTO : 0.2C ~0.7C standard charge , 1C fast charge

Li-ion : 0.2C ~0.7C standard charge , 1C fast charge

Lipo : 0.2C ~0.7C standard charge , 1C fast charge

Lifepo4: 0.2C ~0.7C standard charge , 1C fast charge

Lead acid : 0.2C ~0.3C standard charge , can't fast charge

Note: C stands for battery capacity.

For example: battery capacity 50AH lithium battery, the standard

charging current is calculated as follows:

0. 2 x 50 ah = 10 a 0. 7 x 50 a H = 35 a

That is, the standard charging current is 10A to 35A

12. note :

1. When charging, the output positive and negative cannot be reversed, and the reverse connection will be damaged. Because the output positive and negative connection is damaged, the charger is not covered by the warranty and requires additional repair.

2. If the warranty label is torn privately, the warranty will not be granted.

.3. Due to the grounding of the Y capacitor (chassis), this power supply generally has a slight leakage, and the leakage current is generally <10mA. Its standard meets the EN/UL.60950 safety standard. It will not cause electric shock to the human body, but it will not cause electric shock to the human body. Sweat, wet feet and bare feet will feel numb. Generally, the best solution is to ground the case or the input power cord.

4. The output voltage and current of this power supply are very large, and the user must have a certain knowledge of electricity use, and then charge and use it after being familiar with it. Due to improper use and operation, or improper voltage and current adjustments, the battery will

be overcharged, charged, or damaged at your own risk.

5. All batteries connected in series must be charged with a protective plate, and individual batteries without protective charging will be overcharged. Therefore, the battery will be overcharged, bulged, or damaged at your own risk.

6. When charging with low voltage and high current, the charger has a voltage compensation function, and the voltage will automatically increase by a few tenths of a volt according to the size of the current. When it is almost fully charged, the voltage will automatically drop. For example: when charging at 3.6 volts, during the charging process The display voltage may reach 3.8 volts, which is normal.

13. Voltage searching

series	Li-ion	Lifepo4	LTO	12V lead acid
1串	4.2V	3.65V	2.7V	14.4V
2串	8.4V	7.3V	5.4V	28.8V
3串	12.6V	11V	8.1V	43.2V
4串	16.8V	14.6V	10.8V	57.6V
5串	21V	18.3V	13.5V	72V
6串	25.2V	21.9V	16.2V	86.4V
7串	29.4V	25.6V	18.9V	100.8V
8串	33.6V	29.2V	21.6V	115.2V
9串	37.8V	32.9V	24.3V	
10串	42V	36.5V	27V	
11串	46.2V	40.2V	29.7V	
12串	50.4V	43.8V	32.4V	
13串	54.6V	47.5V	35.1V	
14串	58.8V	51.1V	37.8V	
15串	63V	54.8V	40.5V	
16串	67.2V	58.4V	43.2V	
17串	71.4V	62.1V	45.9V	
18串	75.6V	65.7V	48.6V	
19串	79.8V	69.4V	51.3V	
20串	84V	73V	54V	
21串	88.2V	76.7V	56.7V	
22串	92.4V	80.3V	59.4V	
23串	96.6V	84V	62.1V	
24串	100.8V	87.6V	64.8V	
25串	105V	91.3V	67.5V	
26串	109.2V	94.9V	70.2V	
27串	113.4V	98.6V	72.9V	
28串	117.6V	102.2V	75.6V	
29串		105.9V	78.3V	
30串		109.5V	81V	
31串		113.2V	83.7V	
32串		116.8V	86.4V	