# The Manual of Parallel charging Board

Thank you for using our parallel charging board.
This product is used to connect and charge 1 to 6 batteries in parallel (including the LiPo, LiFe and Lion).
Feature:
1. It can protect the charging batteries when short circuit happens.
2. It can support combined use for three parallel charging boards (It means you can charge eighteen batteries which have the same characters at the same time).
3. It has 20Z-thick copper foil, so it can withstand continual current of 80A.


图1


图2

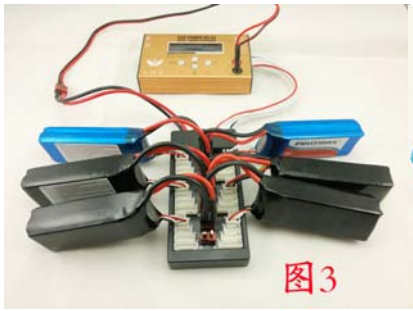
图3

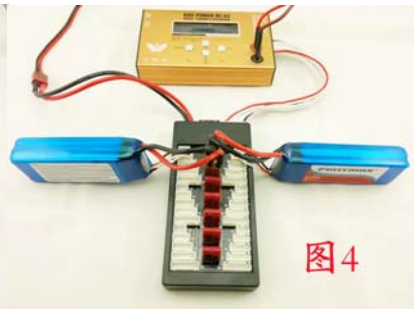
图4

4. It can prevent each cell overcharge, so it can improve the balance efficiency. And the later period of the balance charging cycle is shorted substantially.
5. It consumes only 1/6 of the time when charging six batteries separately consumes, so it can save the total charging time.
6. It avoids the trouble of replacing batteries repeatedly.

Use steps:

1. Connect the both sides of a balance cable respectively to the balance port of the balance charger and parallel charging board. Such as the picture:
2. Connect the power port of Parallel Charging Board to the output port of balance charger.
3. Connect batteries to the board. Plug the balance heads firstly, and then connect them to the batteries' outputs. Set the charging voltage (Charging a single battery is the same) and

current. The method for setting the current is as follows:

I=il+i2+i3+⋯_in(n≤6)

I: Total Current.

i: The charge current of every battery.

n: The quantity of batteries.

Note:

If the maximum output current of balance charger is smaller than the value of “I”, please set your charger current to its maximum. The max-current of this parallel charging board is 80A. The charging voltage must be the same, and the capacity and the discharging rate can be set arbitrarily. After several single cell balanced, the voltage will be more balanced and the voltage gap will be smaller.

Warning:

If just need charge less than 6 batteries in parallel, please put the Housing on the T plug or another plug which is being used now. If you do it in this way, it can avoid accident. When the board is charging the batteries, every T plug has electricity.

Given the existing different battery balance heads in the market, our Parallel Charging Board has four kinds: JST-XH, THUNDER POWER(TP), HYPERION(HP) and EH(KOkam). You can choose one of the above kinds, according to your batteries. But usually JST-XH. is used. The function and principle of this four kinds board is the same.