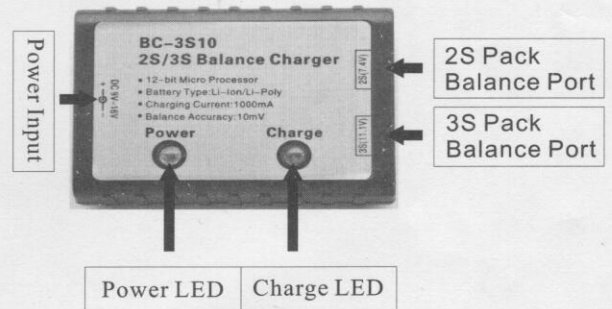


BC-3S10 Balance Charger User's Manual

Please read the instruction before usage.

Electrical Parameters				
Parameter	Min	Typical	Max	Unit
Working Voltage	9	12	16	V
Input Power	15			W
Work Temperature	-20		45	°C
Store Temperature	-20		65	°C
Charging Stop Voltage	4.19	4.20	4.21	V
Charging Current			1000	mA
Balance Current	150		200	mA
Activate Current	80		120	mA



Instruction:

1. Connect the power adaptor (not provided) to the balance charger. The power LED should light up solid.
2. Connect a 2S or 3S LiPo battery pack to the corresponding balance port (do not connect two battery packs at the same time). The charge LED should start flashing slowly, indicating the charging process has started.
3. When the charge LED becomes solid, indicating the charging process has completed.

Charge Condition:

1. If the voltage of each individual battery cell is higher than 4.18V, the charging process will not start. The charge LED will become solid.
2. If the voltage of each individual battery cell is lower than 0.7V, the charging process will not start. If the voltage of the first cell on a 3S battery is lower than 0.7V, the charger will charge the battery pack as a 2S battery pack.
3. If the voltage of the battery cell is lower than 2.8V, the charger will try to activate the battery cell with small charging current. If the voltage of the battery cell can not increase to above 2.8V within 30 minutes, the charger will stop charging the battery pack and the charge LED will flash rapidly, indicating the battery pack has bad cell.

Charger Self Checking Function:

The charger will start the self checking procedure before each charging process. The charge LED will flash rapidly if the charging process is abnormal.

Accuracy Checking Function:

Connect a 3S battery pack with each cell has 4.2V voltage to the charger. The charge LED should flash twice and then become solid, indicating the accuracy of the charger is normal.

Protection Function:

- Reverse connection protection
- Short circuit connection protection
- Over voltage protection

Trouble Shooting:

1. Power LED fail to light up: Please connect a correct power adaptor to the balance charger.
2. Charging process stops and starts in a loop: Power adaptor fails to provide enough power to the balance charger.
3. Charge LED fail to light up: Reconnect the battery pack, or check the voltage of the battery pack.
4. Charge LED flash rapidly: Battery is bad or the charging process is abnormal.