



Intelligent Balance Charger Of LiPo/LiFe Battery

G3220 User Guide



Thank you for choosing the intelligent balance charger of 2-3S LiPo/LiFe Battery which Gote-Power supplies for you. In order to use the battery charger better please read the user guide carefully before using it.

Unpack Inspection:

Opened the package, please follow the list below to check for lacking or damage, if any one is incompatible with the list, please connect with your suppliers immediately.

- One G3220 charger.
- One input power cord.
- One User's manual.

Specifications:

- Input voltage range : DC 11-16V / 2.0A
- Applied battery type: LiPo / LiFe(A123) battery
- Battery cell count: 2~3 cells
- Charging current range : 0.5A, 1.2A, 2.0A
- Maximum charging power capacity: 20W
- Balance accuracy: <10mV
- The voltage accuracy of full charged : 4.20V \pm 0.02V
- Dimensions(mm):78*50*20
- Weight:60g

Performance Features:

- Built-in high-speed balance module.

Comparing with traditional discharging balance, G3220 adopts advanced mode of charging balance to improve the balance speed, meantime, it avoids a lot of heat produced by discharging during the process of balance and shorten charging time.

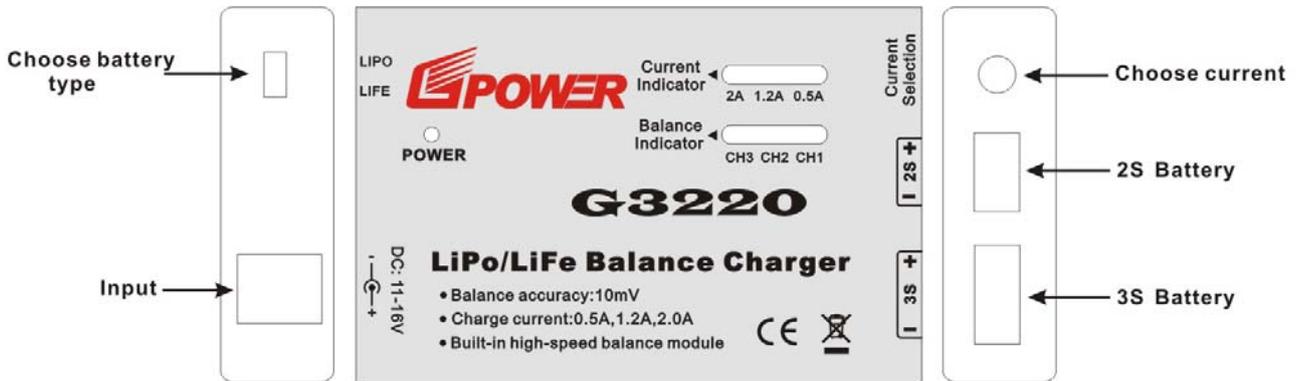
- Supporting two types of batteries , LiPo and LiFe

Having three kinds of adjustable charging current(0.5A/1.2A/2.0A).

- Having indicator of charging current and individual cell-balancing.
- Input under-voltage & over-voltage protection。
- If the input voltage is under 10V or over 18V, G3220 will stop charging to protect the battery ,at the same time the power indicator lamp will flash quickly to warn.
- Reverse polarity protection between input and output.
- Short circuit protection
- Over-current and over-voltage protection.
- Output current auto-adjust function。

When output power is over than 20W, it will reset the current to avoid power supply's breakage

Appearance Configuration:



Operating Steps:

Step 1: Connected power supply

Preparing the power adapter or storage battery which matches with this charger(voltage:11-16V, current: $\geq 2.0A$),Connect the power supply to G3220, All LEDs turns on and then off in turn, the red LED stops at 1.2A(The default value of charging current is 1.2A).If input power supply doesn't match, power supply light will flash at all times ,then pls change to right power supply .

Step 2: Select the type of battery

Choose the battery type between LiPo Battery (The individual cell voltage of full charged is 4.20V) and LiFe Battery (The individual cell voltage of full charged is 3.60V) by moving the switch on the left of the G3220.

Note: Pls choose the battery type before connecting the battery to the charger, this function is forbid during the charging.

Step 3: Select the charging current

You can press the “Current Selection” button to set charging current.

The charging indicator LED will move up(1.2A → 2.0A → 0.5A → 1.2A) based the times you press the “Current Selection” button.(During the charging, you can press “Current Selection” button to adjust the current again.)

Step 4: Start Charging

Connect the 2S or 3S (LiPo or LiFe battery pack) to the G3220(Prohibit to connect 2S and 3S together to charge at one time). Now, the green LED begin to flash, this means G3220 is in charging. If the individual cell voltage of any one arrived at 4.20V(LiPo) or 3.60V(LiFe), corresponded LED will still light, this means G3220 is in balancing.

Step 5 : The end of the charging

When all corresponded green LED don't flash and keep light all along, this means the battery is full charged and balanced, unplug the full battery to use.

Cautions:

- Please unplug the battery and shut-off the input power after usage , pls keep it in a dry and airy environment if you don't use it in a long time.

- Never leave the charger unsupervised when charging or discharging. If you leave, disconnect the battery to prevent any unexpected dangers or damage.
- Do not mix batteries of different types, different capacities or from different manufacturers.
- Keep away from combustibles while charging, pay particular attention to the temperature of battery, if the temperature is too high to touch, please cut off power supply and stop charging immediately.
- Do not disassemble the charger.
- Do not allow metal wires or other conductive material into the charger
- Do not charge any battery which is leaking, swelling, discolor, exfoliation or distortion.
- Do not try to charge "non-rechargeable" batteries.
- Do not exceed the battery manufacturer's suggested maximum charge rates.
- Keep the charger away from children and pets at all time.

Warranty service:

- Under ordinary usage , we will offer a free after-sales service within one year purchase for any faults or nature calamity.
- We provide paid maintain service for the products which still in guarantee time.

- During the guarantee time, we don't provide free maintain service in case any one of below situation:
 - 1) Outer shell of product and consumed parts (input cords etc) are not covered by the warranty.
 - 2) Any damage or fault caused by taking apart、adding or amending charger component without permission.
 - 3) Any damage or fault due to improper input voltage or using mismatch adapter.
 - 4) Any damage or fault caused by disobeying the user guide.
 - 5) Any damage or fault caused irresistible factors (such as flood, earthquake, typhoons etc)

Remark:

If there is any revision of this user guide , we will not inform you separately.

Please log into the web server of www.Gote-Power.com to update by yourself.

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