

Instructions for EX-RCLP208 Lithium Polymer Balance Charger By EMAX Power

The EX-RCLP208 Lithium Polymer Balance Charger is designed to charge your Lithium Polymer 2 OR 3 cell packs using the balance connector plug on your battery. Battery performance and safety is enhanced by maintaining your Lithium battery pack in a balanced condition.

Technical Data:

- **Input voltage: 11-14V DC at 1 amp**
- **Output maximum: 12.6V, 800mA (+- 10%)**
- **Balance charge either 2 OR 3 cell Li-Poly Packs**
- **Typical voltage variance after charging is less than 40mV**
- **Individual cell voltage cut off range 4.19-4.21V**
- **Dimensions: 73 x 50 x 25mm**

Suitable Power Supplies:

- **12V DC Vehicle battery with greater than 15 amp hour capacity**
- **110V AC to 12V DC Power Supply with an output of 14V DC or less**

Safety Warnings:

Because lithium-polymer cells can vent with flame if they are overcharged, we offer the following safety warnings:

- **Charge only one battery at a time. Do not plug both a 2 and a 3-cell pack into charger at the same time. Charger is a 2 OR 3 cell charger and not designed to charge 2 battery packs (5-cells) at the same time**
- **Never charge Lithium batteries on a flammable surface**
- **Charge in a noncombustible container, such as a Pyrex® bowl with lid**
- **Never leave Lithium batteries unattended during charge process**
- **Disconnect Lithium battery from charger immediately after charging**
- **Do not charge batteries immediately after use, let batteries cool before charging**
- **Do not disassemble EX-RCLP208**
- **If Lithium battery becomes warm or swells during charging remove from charger immediately**

Instructions for use:

Photo shows the EMAX EX-RCLP208 balance charger for Lithium Polymer 2 OR 3 cell packs. Unit consists of main balance charger with 12V DC input on one end and both 2 and 3-cell balance connector charging outputs on the other. Unit is designed to charge one battery at a time never try to charge both a 2 and a 3 cell pack at the same time. Unit is designed as a 2 OR 3 cell charger and is not suitable for 5 cells (2+3 cells)

The input power cord has a barrel plug on one end to mate with the balance charger and 2 alligator plugs on the other. The red alligator clip is to connect to the positive (+) terminal of a 12V DC battery and the black alligator clip is to connect to the negative (-) terminal.



Never charge a lithium Polymer battery that has been damaged in a crash. Never charge your Lithium Polymer batteries on a flammable surface.

Charge in a noncombustible container, such as a Pyrex® bowl with lid. (see photo)



Charge Procedure:

1. Connect the balance charger to a 12V power supply. One power source option is a power supply that converts 110V AC house current to 12V DC current. Never use a power supply with an output voltage greater than 14V DC.
2. When using the power supply used in the photo connect the **RED** alligator plug to the battery post marked with a + and the black alligator plug to either the battery post marked – or to a metal part of the vehicle that is grounded.
3. When the charger is connected to 12V DC current the **RED LED** lights up showing that the charger is ready for use.
4. Plug the balance connector on the battery to the matching plug on the end of the charger. The **GREEN LED** will light along with the **RED LED**. The charge process has begun. **Charge only one battery at a time. Do not plug both a 2 and a 3-cell pack into charger at the same time. Unit is designed as a 2 OR 3 cell charger and is not suitable for 5 cell charging**



5. When the battery is fully charged and in balance the **GREEN LED** will go out. The **RED LED** will remain lit. Charge time will vary depending on the capacity of the battery and its state of charge. A discharged 1300mAh battery will take about 1-1/2 hours to charge. Battery should be removed from the charger at the termination of the charge. Do not leave battery plugged into the charger for extended periods of time or overnight.

Because lithium-polymer cells can vent with flame if they are overcharged, or charged when damaged we suggest that the entire charge process be closely monitored and performed in a noncombustible container

