

Thank you for purchasing e-STATION LP6. Please read this entire operating manual completely and attentively as it contains important information and safety notes, therefore you need to keep this manual in a safe place, and be sure to pass it on to the new owner if you ever dispose of LP6.

Special features

The LP6 ensures safe charging of rechargeable Lithium batteries(LiPo, Lilo, LiFe) consisting of series-wired cells by employing advanced charging technologies to conveniently charge the battery pack. The charging algorithm of LP6 reflects the latest technology, and enables you to make full use of your Lithium batteries at their maximum performance.

- Simple and easy to operate

LP6 can be programmed using three buttons to charge various type of Lithium batteries. You can set the type of cell, number of cells being charged and charging current. The LED display will show what you set by buttons in simple manner. And it also will show the error code, when it happens.(please note the explanation of error code)

- Micro processor controlled charging process

Like the big brother of e-STATION chargers, LP6 has a high performance micro-processor to control the charging process. LP6 always monitors the whole parameters during process, and guarantees the maximum safety. LP6 can be used with the voltage balancer-PB6, to equalise the voltages of individual cell.

⚠ Safety notes

- * Read the instructions carefully before using the charger for the first time.
- * Use the charger exclusively to recharge rapid-charge capable Lilo, LiPo, LiFe batteries only. (max. 6 series)
- * Do not attempt to charge two battery packs simultaneously.
- * Do not leave the charger operating unsupervised.
- * The charger may become hot when operating, take care when touching the unit.
 - Do not cover the charger; provide adequate cooling.
 - Do not subject the charger to direct sunshine.
- * Check the cell count of battery pack carefully. And set the cell count correctly before start the charging process.
- * Keep the charger, battery and cables well away from flammable or temperature-sensitive objects.
- * Protect the charger from damp and dust.
- * Be sure to understand the information of the battery to be charged or discharged accurately. If the program is set up incorrectly the battery can severely be damaged. Especially Lithium battery can cause a fire or an explosion by over-charging.

Lilo	voltage level: 3.6V/cell, max. charge voltage: 4.1V/cell allowable fast charge current: 1C or less min. discharge voltage cut off level: 2.5V/cell or higher
LiPo	voltage level: 3.7V/cell, max. charge voltage: 4.2V/cell allowable fast charge current: 1C or less discharge voltage cut off level: 3.0V/cell or higher
LiFe	voltage level: 3.3V/cell, max. charge voltage: 3.6V/cell allowable fast charge current: 4C or less (e.g. A123M1) discharge voltage cut off level: 2.0V/cell or higher

Specification

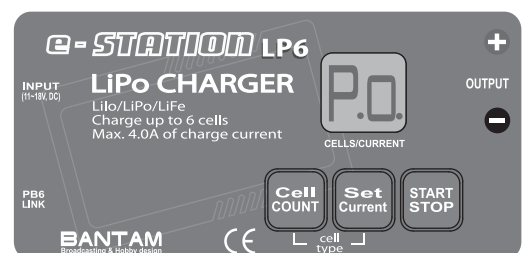
Type of battery :	LiPo, Lilo and LiFe only (* DO NOT charge NiCd, NiMH or Pb battery with LP6)
Charging current :	max. 4.0A
Number of cell count :	1 to 6 cells
Circuit power :	50 watts
Weight :	100 g
Dimension :	110 X 60 X 12 mm

Basic operation

You can use 12V Pb battery like car battery, or equivalent voltage level of DC power supplier as the input power source for the charger. When the input power is connected to LP6, the red LED display will show the cell type with beep sound.

Select the type of battery

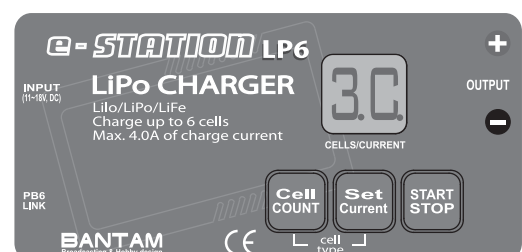
- Press 'Cell/COUNT' and 'Set/Current' buttons simultaneously and repeat until the desired cell type displayed. There are three types of cell - LiPo, Lilo, LiFe. The display represents Po, FE and lo which are Lithium Polymer, LiFePO4 and Lithium Ion respectively.



Set the cell count

Please check the cell count of battery pack being charged.

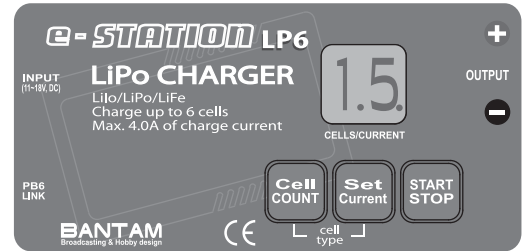
- Press 'Cell/COUNT' button until the correct count displayed. The display of cell count will be shown from 1C to 6C in consecutive each time you press the button.



Set the charging current

The number of charging current is in Ampere(A).

- Press 'Set/Current' button until the appropriate charging current displays. The display of charging current will be shown from 0.5 to 4.0 by increment of 0.5 each time you press the button.

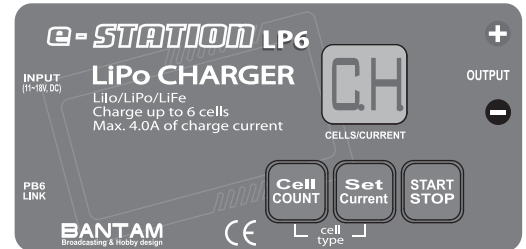


Start and stop the charging process

- By pressing 'START/STOP' button, the charging process will begin. The number of charging current is in Ampere(A). The display will show blinking 'CH' which means 'Charging' during the process.

- You can stop the process forcibly by pressing 'START/STOP' button at any time during the charging process.

- When the battery is fully charged, the display will show 'FU' which means 'Full' with beep sound.



Link with the voltage balancer PB6

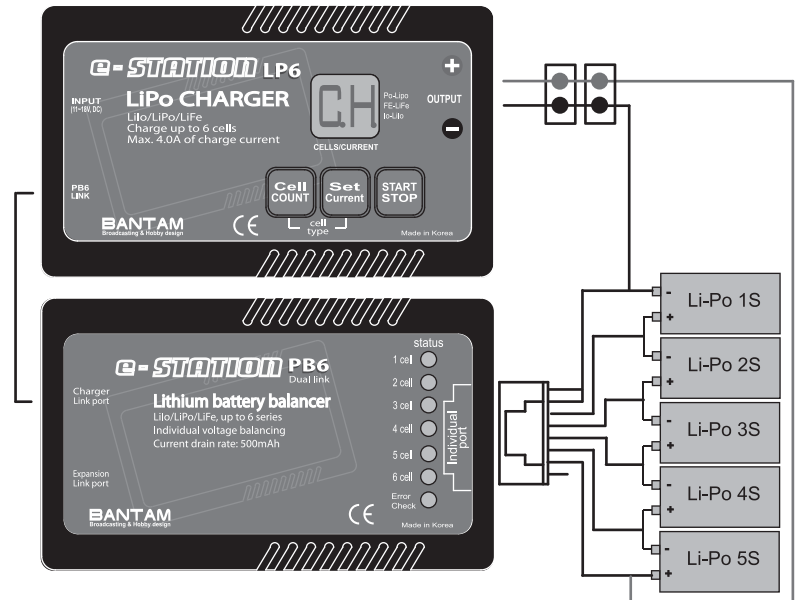
To equalise the voltages of individual cell in battery pack during charging, you can use our voltage balancer PB6.

- Set the charger program correctly according to the specification of battery pack being charged. And link LP6 and PB6 with a link cable(part no. EAC114)

- Connect the battery output plug to the charger's charging leads.

- Connect the balancing tab of battery pack to the individual port of PB6 with appropriate adaptor board or cable.

- Start the charging process.



Error codes

'E1' - Reversed polarity

The charging leads are connected to the battery's output in reversed polarity.

'E2' - Connection break

There happens an interruption of connection between the battery pack and charger's output.

'E3' - Input voltage low

The voltage of input power drops below the limit.

'E4' - Cell count error

The charger detects the voltage is different from the cell count you set. Check the cell count of battery pack carefully.

'E5' - Short-circuit

There are a short-circuit at charger's output. Check the charging lead and battery's output plug and cable.

'E6' - Circuit break-down

There happens the malfunction at the charger circuit by any reason. If the error keeps on happening, the charger should be repaired.

Warranty and service

We warrant this product for a period of **one year (12 months)** from the date of purchase. The guarantee applies only to such material or operational defects, which are present at the time of purchasing the product. During that period, we will repair or replace without service charge any product deemed defective due to those causes. You will be required to present proof of purchase (invoice or receipt). This warranty does not cover the damage due to wear, overloading, incompetent handling or using of incorrect accessories.

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Date of purchase/delivery :

Dealer :