

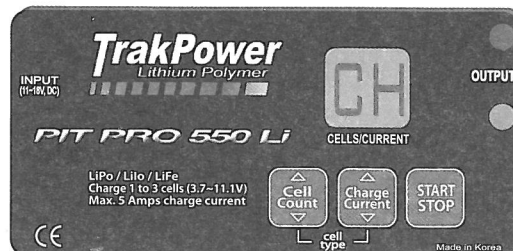
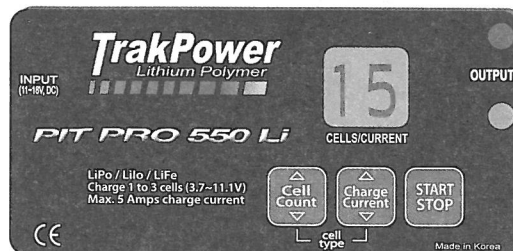
Set the charging current

The charging current is set in Amperes (A).

- Press 'Set/Current' button until the appropriate charging current displays. The display of charging current will be shown from 0.5 to 5.0 by increments 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 charging current is displayed in Amperes (A). The display will show blinking 'CH' which means 'Charging' during the process.
- You can stop the process 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', the unit will also make a beep sound.

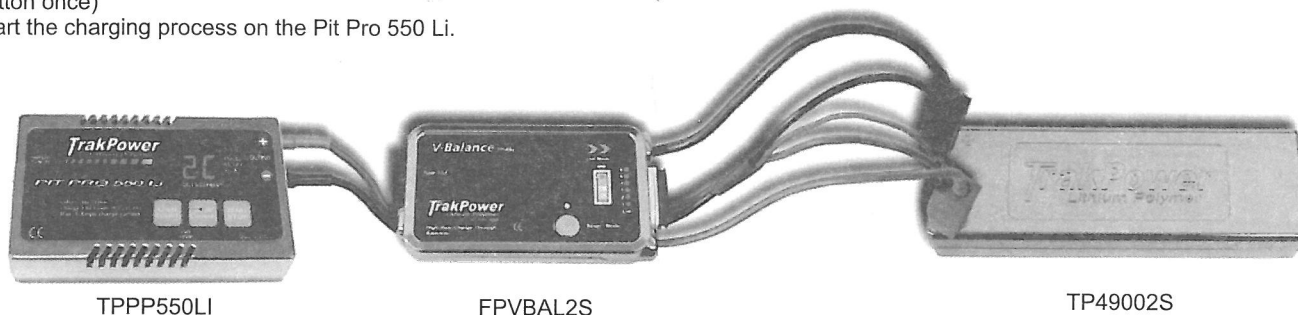


Link with the TrakPower V-Balance Module

To equalise the voltages of individual cells in a TrakPower battery pack during charging, you can use our TrakPower V-Balance module with the Pit Pro 50 Li

- Set the charger program correctly according to the specification of battery pack being charged, then connect the TrakPower V-Balance module's input wires (fuse end) to the output of the Pit Pro charger.
- Connect the V-Balance module's charge leads and balancing harness lead to the TrakPower pack's terminals.
- Place the TrakPower V-Balance module in 'Link Mode' by holding the multi-function button down for a few seconds. (you may need to wake the balancer before placing it in 'Link Mode' by briefly pressing the multi-function button once)

Start the charging process on the Pit Pro 550 Li.



Error codes

- 'E1' - Reversed polarity
The charging leads are connected to the battery's output in reversed polarity.
- 'E2' - Connection break
There is a break of connection between the battery pack and charger's output.
- 'E3' - Input voltage low
The voltage of the input power drops to a level where the charger cannot function.
- '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 is a short-circuit at charger's output. Check the charging lead and battery's output connections and cable.
- 'E6' - Charger Malfunction
The charger has malfunctioned. If the error keeps occurring, 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.

TrakPower

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Date of purchase/delivery :

Dealer :

Thank you for purchasing our TrakPower Pit Pro 550 Li charger. Please read this entire operating manual thoroughly as it contains important information and safety notes.

Special features

The Pit Pro 550 Li ensures the safe charging of TrakPower and other Lithium batteries (LiPo, Lilo, LiFe) consisting of series-wired cells. This charger employs advanced charging technologies to charge the battery pack. The charging algorithm of the Pit Pro reflects the latest technology, and enables you to make full use of your Lithium batteries at their maximum performance.

- Simple and easy to operate

The Pit Pro 550 Li is programmed using three buttons. You can set the type of cell, number of cells being charged and the charging current. The LED display shows your settings clearly, and will also show any error codes if a problem occurs.

- Micro processor controlled charging process

The Pit Pro 550Li has a high performance micro-processor to control the charging process. The Pit Pro continuously monitors all parameters during process, and guarantees maximum safety. When the Pit Pro is used with the TrakPower V-Balance module it becomes an even more advanced charge/balance system which equalises (balances) the individual cells in the pack, this maximises life and performance of the battery. Use of the TrakPower V-Balance module is highly recommended.

! Safety notes

- * Read the instructions carefully before using the charger for the first time.
- * Use the charger exclusively to recharge LiPo, Lilo, LiFe batteries only. (max. 3 series cells)
- * 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 sunlight.
- * Check the cell count of battery pack carefully. And set the cell count correctly before starting 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. Lithium batteries 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 Pit Pro 550 Li)
Charging current :	max. 5.0A
Number of cell count :	1 to 3 cells
Circuit power :	50 watts
Weight :	100 g
Dimension :	110 X 60 X 12 mm

Basic operation

You can use 12V Pb battery, like a car battery, or equivalent voltage level DC power supply as the input power source for the charger. When the input power is connected to Pit Pro, the red LED display will show the cell type and the unit will make a beep sound.

Select the type of battery

- Press 'Cell/COUNT' and 'Set/Current' buttons simultaneously and repeat until the desired cell type is 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. The Default setting is LiPo which is the setting required for TrakPower Lithium Polymer battery packs.

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 3C in consecutive steps each time you press the button.

