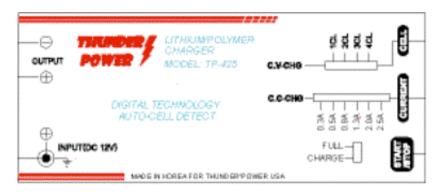
TP-425 LITHIUM POLYMER CHARGER User's Guide

TP-425 charger is specially designed to charge *Lithium-polymer Battery only*.

Do not attempt to charge any other batteries such as Nicd or NiMh and SLA battery.

Please carefully read and understand about the Lithium polymer battery safeties before charging your batteries. **Do not charge Li-poly batteries unattended**.



<Features>

- Ultra high speed digital power system
- Light weight and fully capable to charge up to 2500mA/4cells in series.
- Easy setting for various battery pack parameters.
- Reverse polarity protection circuitry (INPUT/OUTPUT)
- Easy monitoring indicators(current and voltage charge status)
- Beep alerts fault conditions or charge is complete
- Safe mode automatic cell count.

<Specifications>

- Input Power source: 11V-15VDC, requires 4A to charge at maximium rate.
- Charge Voltage:3.7V-7.4V-11.1V-14.8V(1cell-4cells in series)
- Charge Current:300mA-500mA-800mA-1300mA-2000mA-2500mA
- Full charge voltage: 4.2V per cell
- Size:1.62" x 4" x 0.62"(42mm x 102mm x 16.2mm)

<Charge procedures>

- Connect 12VDC power to the INPUT DC-JACK(Red:+ Black-)
- O Connect Lithium Polymer battery to the "OUTPUT" terminal(Red+ Black-)
- O Select amount of charge current (Must select less than 1C).
- O Select cell count.
- O Press "Start/Stop" button.
- O The blue LED begins flashing.
- O When the Full LED (Green) is solid ON, charge is complete

<Charge status vs LED display>

Charge status	"CHARGE" LED(Blue)	"FULL" LED
Low current charge	Fast Flashing	OFF
Auto-Cell checking	Fast Flashing	OFF
C-C mode Charge	Fast Flashing	OFF
C-V mode Charge	Fast Flashing	OFF
Charge is complete	OFF	Solid ON

When charge is complete, the FULL LED should be solid ON and beep alters 6 times in a minute for 5 minutes.

Constant Current charge mode: CC-CHG LED slow flashing

Constant Voltage charge mode: CV-CHG LED slow flashing

<System warning message>

When "CHARGE" LED (Blue)" and "FULL" LED (Green)" both are flashing with a beep, there are something wrong. Press "STOP" button and check followings:

- INPUT power voltage (11V-15VDC) and capacity (required 4Amp current minimum when charge to 2.5A/4cells in series). We recommend use a auto-mobile battery or switching power supply.
- Loose Battery connections or wrong polarity Li-poly pack.
- Timeout auto-cell detection(Battery pack is over discharged or bad conditions: check battery pack and charge again)

<Pre><Pre>cautions>

- Do not charge in a vehicle
- Do not charge in direct sun light
- Do not charge when ambient temperature is extremely high.
- Do not select more than 1C current rate (eg: if battery is labeled 1300mAh do not charge higher than 1.3A)
- Use and store the charger in a dry environment
- Charge in an isolated area away from flammables
- Do not attempt to charge when Li-poly battery pack is hot.
- Do not use Auto-mobile battery charger for the input power source.

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