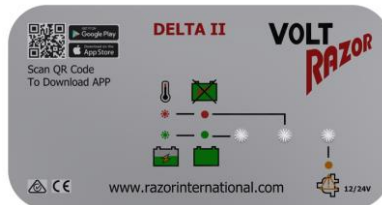# BATTERY CHARGER (UNIVERSAL) INTRODUCTION
(Part Number : BII -U)

INTRODUCTION

Post the previous battery charger (BII), Razor have designed the new charger PCBA (Named: Universal) to be configured to charge either SLA & LiFePO4 batteries.

LIGHT CODE INDICATOR

Green, Red & Amber lights are located from left to right hand side of the window on the keypad respectively (see above snapshot of the decal)

Green flashes – Battery charger in charging the battery
Green illuminates – Battery is fully charged at this stage

Red flashes— This indicates the charger is over temperature
Red illuminates — This indicates the battery charger does not connect to battery terminals or battery fault.

Amber illuminates—the input charging voltage from external does not reach 10V

All LED off — This indicates the input voltage is lower than 7V if the input is connected to charger correctly or the input is not connected to charger (Check connection if required)

FEATURES

With this design in PCBA, charger is compatible with both **sealed lead acid (SLA)** and **LiFePo4 batteries** and main features as below:

- Optimal charging algorithm for both SLA & LiFePo4 batteries
- Trickle charge (enable to charge up deeply discharged battery without damage)
- Protection for Over-voltage, reverse battery polarity, short circuit/overload/over temperature