



## LowI Lipo Charger

No. E00121

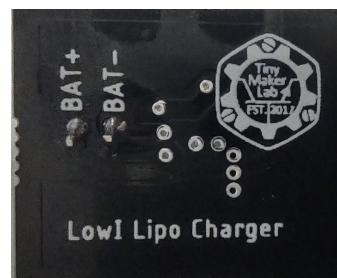
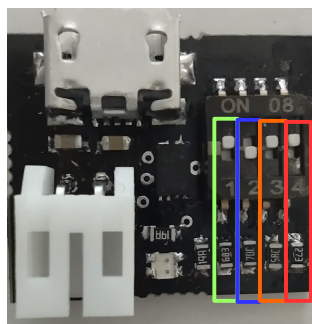
### Overview

Charger for small Lipo batteries that require a small current. This charger is designed to provide low current settings that are selected with a DIP switch. Power is supplied to the circuit using a standard micro USB input. The design uses a MCP73831T Charger IC.

### Specifications

parameter		value	unit
power supply	Micro USB input	5	V
cut off voltage		4.2	V
charge current	adjustable	10 - 90	mA
dimension		19 x 17	mm x mm
weight		5	g

color	switch	resistor	current
green	1	27k	37mA
blue	2	39k	26mA
orange	3	52k	20mA
red	4	68k*	10mA



\*resistor for minimum current according to the charger IC datasheet

Currents are selected by placing the corresponding switch into the ON position. All settings can be combined to increase the current. For example switch 2 and 3 ON position will result in a 46mA charging current. Be aware that resistance vs. output current are not perfectly linear. Consulting the MCP73831T charger IC datasheet is recommended for further detail.

All dimensions in manuals are in mm, mass is in grams, unless otherwise noted

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