

Additional Information

Board Details:

Module: Linear charging
Current: 1A (Adjustable)
Charge precision: 1.5%
Input voltage: 4.5V-5.5V
Full charge voltage: 4.2V
LEDs: red - charging | green - charged
Input interface: mini USB and Solder plates
Work temperature: -10°C to 85°C
Inversed polarity: NO
Small Size: 27mm x 19mm x 5mm
(LED Colours may vary)

An ampere meter can only be connected to 5v input end of the module. When charging it is better that the charging current is 37% of the battery capacity. So if you charge to the battery of 1000mAH, current of 400 is enough. Make sure you use a proper gauge wire for the current being used. Too thin and it will burn, too thick and the circuit may not act correctly. Make sure the connections at the contract points are good. If the input voltage is too high, like 5.2v, the current will be less than 1A, it is a normal protection function. NO Reverse polarity, connecting the battery the wrong way will fry the chip.

The current can be altered (lowered) by changing the resistor connected to pin 2 of the IC (at the bottom middle of the board in relation to the direction of the text). In the configuration the module ships with the current is 1A. Changing out the surface mount resistor with a higher resistance will lower the current. The chart below will give you estimates of some resistor to current values:

Ohms	mA
30K	50
20K	70
10K	130
5K	250
4K	300
3K	400
2K	580
1.66K	690
1.5K	780
1.33K	900
1.2K	1000

Note: Most USB ports and chargers will only supply 500mA please tack this into consideration when charging at high currents.

