

ARD 2 **Arduino Compatibles** Controllers, Shields, Modules & Sensors

Mini-USB Charger Module Li-Ion 4.2V 1A

ARD2-4020

- Charge a cell via mini USB or 5VDC
- 1A Current
- LEDs indicate when the cell is charging or fully charged

Description

This mini USB charging module for Arduino allows you to charge a cell via either mini USB power or 5VDC. On-board LEDs indicate whether the battery is charging (red) or fully charged (blue).

Connect micro USB cable for power, or 5V DC to pads marked IN+ and IN- on left-hand side of the module. Connect cell to charge to BAT+/BAT- pads on right-hand side of module.

Specifications

Current	1A adjustable
Charge Precision	1.5%
Input Voltage	4.5V–5.5V
Full Charge Voltage	4.2V
LED Indicators	Red when charging; Blue when fully charged
Input Interface	Mini USB
Operating Temperature	–10°C to +85°C
Inversed Polarity	No
Dimensions	18mm (W) x 22mm (L) x 5mm (H)

Pinout

Module	Battery/Cell	Function
IN+	–	5VDC Power Supply
IN–	–	5VDC Power Supply
BAT+	Positive Terminal	Battery Positive Terminal
BAT–	Negative Terminal	Battery Negative Terminal

