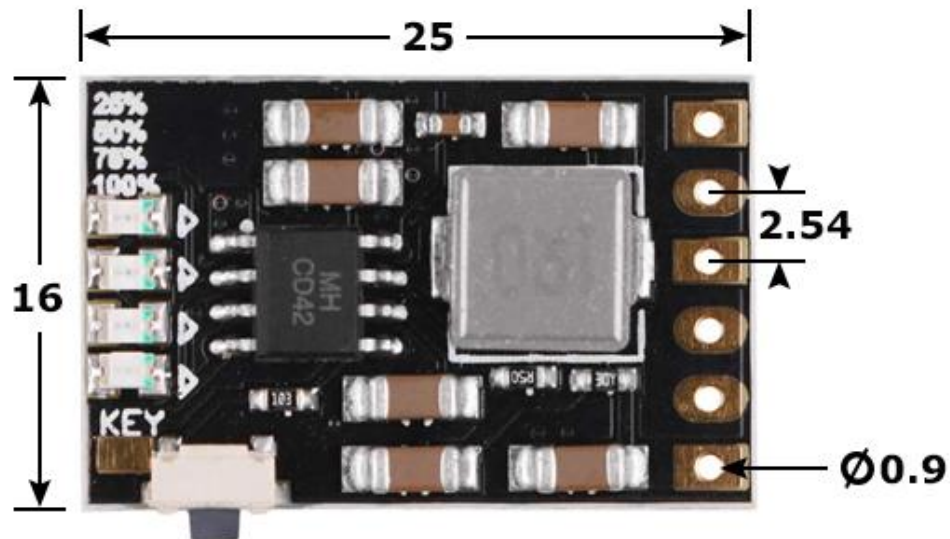


LiPo Charger 3.7V 2A IN 5V + LED Level Indicator

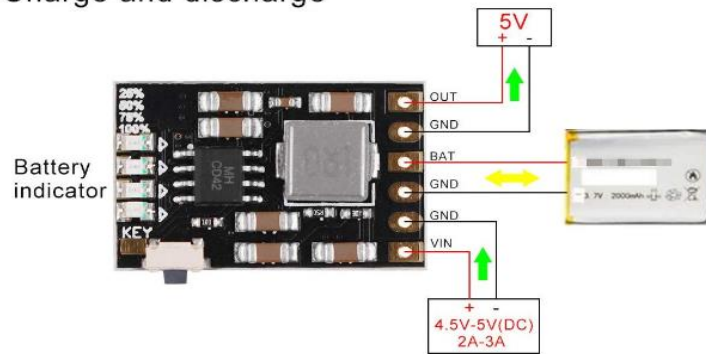
Providing mobile power for your DIY projects has never been easier with the MH-CD42 Power DIY board. This tiny board offers simultaneous charge and discharge, lithium battery protection, and a 4 level LED indicator. Connect any kind of 3.7V Lithium battery to have a 5V output with current up to 2.1A.

When charging, the four level battery indicator starts with one flashing LED, meaning the battery is less than 25% full. After some time, 2 LEDs will lit up and the first one would stop flashing. That means your battery is 25% to 49% full. Your battery is fully charged when all 4 LEDs are lit and not flashing. In discharge mode, same definition applies but in reverse.

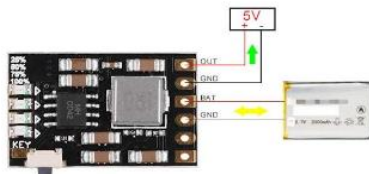


Wiring Diagram

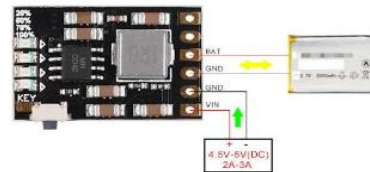
1. Charge and discharge



2. DisCharging



3. Charging



Pinout

Pin description:

1. VIN: Charging port is input+ DC 4.5V-5.5V (recommended DC 5V)
2. GND: Charging port is input-
3. GND: Lithium battery-
4. BAT: Lithium battery+
5. GND: Output negative output-
6. VOUT: Output positive output+
7. KEY: Output enable trigger port (low pulse trigger)

