

37529-PS

3.7V LI-ION BATTERY CHARGER/USB BOOST POWER MODULE

Li-Ion Battery Charger/Boost module. Attach a 3.7V battery and module will provide a 5V @ 1A output on the USB Type A Port.

Recommend you add a switch between Battery & Module to disconnect Battery to prevent discharge when not in use.

Connect a 5V Charger to the Micro B USB Port to Charge the Battery.

Battery: 3.7V Lithium polymer, 18650 lithium battery, Cellphone battery.

NOTE: NOT FOR 12V batteries, nickel-metal hydride batteries, lithium iron or Multi-section, series connected lithium polymer batteries

Charging Input: 5V @ 1A

Battery Input: 3.7V

Step-up Voltage Output: 5V@1A max (USB Type A Jack)

Transient current: 180uA

Onboard LED Indicator: Red-Charging, Green-Charging completed, Blue-There is a load on the USB Type A Port

Connections for Optional Off Board LEDs.

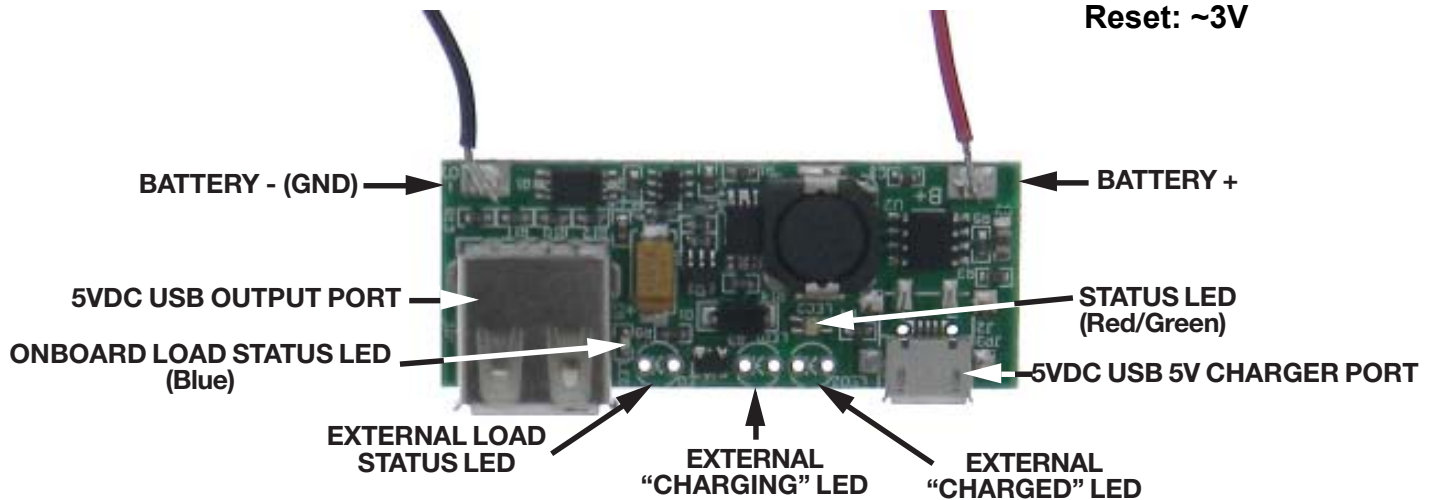
Battery Input over-voltage, over-current, under-voltage protection.

USB Output overcurrent, short circuit protection

Over-temperature protected.

L: 2" (50mm) **W:** 25/32" (20mm) **H:** 1/2" (12mm) **WT:** .02

Protections At Battery
Over Charge: ~4.3V
Reset ~4.1V
Over Discharge: ~2.9V
Reset: ~3V



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