

BATT-MON 4 Click



PID: MIKROE-5092

BATT-MON 4 Click is a compact add-on board representing an advanced battery monitoring solution. This board features the [LTC3337](#), a primary battery state of health (SOH) monitor with a built-in precision coulomb counter from [Analog Devices](#). The LTC3337 is designed to be placed in series with a primary battery with minimal associated series voltage drop. The patented infinite dynamic range coulomb counter tallies all accumulated battery discharge and stores it in an internal register accessible via an I2C interface. In addition, this Click board™ also can set the input current limit and has an additional discharge alarm interrupt and SOH monitoring which measures and reports via an I2C interface. This Click board™ is suitable for primary battery-powered system applications, remote industrial sensor applications, or backup power supply applications.

BATT-MON 4 Click is supported by a [mikroSDK](#) compliant library, which includes functions that simplify software development. This [Click board™](#) comes as a fully tested product, ready to be used on a system equipped with the [mikroBUS™](#) socket.

Mikroe produces entire development toolchains for all major microcontroller architectures.

Committed to excellency, we are dedicated to helping engineers bring the project development up to speed and achieve outstanding results.



ISO 27001: 2013 certification of informational security management system.
ISO 14001: 2015 certification of environmental management system.
OHSAS 18001: 2008 certification of occupational health and safety management system.



ISO 9001: 2015 certification of quality management system (QMS).

Specifications

Type	Battery charger
Applications	Can be used for primary battery-powered system applications, remote industrial sensor applications, or backup power supply applications
On-board modules	LTC3337 - primary battery state of health monitor from Analog Devices
Key Features	Low power consumption, built-in precision coulomb counter, designed to be placed in series with a primary battery, state-of-health monitor for primary battery, integrated supercapacitor balancer, programmable current limit, and more
Interface	I2C
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V or 5V, External

Resources

[mikroBUS™](#)
[mikroSDK](#)
[Click board™ Catalog](#)
[Click boards™](#)

Downloads

[BATT-MON 4 click example on Libstock](#)
[BATT-MON 4 click 2D and 3D files](#)
[BATT-MON 4 click schematic](#)
[LTC3337 datasheet](#)

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