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Balancer 2 Click





PID: MIKROE-4058

Balancer 2 Click is an overvoltage protection device for a 2-series cell lithium-ion battery. Click contains two separate overvoltage battery detection circuits and automatic cell imbalance correction. It can be used for various applications, power tools, portable equipment, and instrumentation, to energy storage systems (ESS), while providing the output voltage at the same time. By utilizing an externally connected power supply, it can charge 2-cell Li-lon batteries.

The Click board $^{\text{\tiny M}}$ is supported by the mikroSDK compliant library, which includes functions that simplify software development. The Click board $^{\text{\tiny M}}$ comes as a fully tested product, ready to be used on a system equipped with mikroBUS $^{\text{\tiny M}}$.

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.







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Specifications

Туре	Battery charger
Applications	Balancer 2 click can be used for voltage monitor, power tools, battery balancing, portable equipment and instrumentation, to energy storage systems (ESS)
On-board modules	MCP3202, Dual Channel 12-Bit A/D Converter with SPI Serial Interface, from Microchip.
Key Features	Over-voltage protection, optocoupled outputs, independent cell voltage readings
Interface	GPIO,SPI
ClickID	No
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

mikroBUS™

mikroSDK

Click board™ Catalog

Click Boards™

Downloads

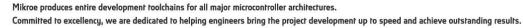
MCP3202 datasheet

EL357N-G datasheet

Balancer 2 click 2D and 3D files

Balancer 2 click example on Libstock

Balancer 2 click schematic







health and safety management system.