

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-Ion batteries.

The Click board™ is supported by the mikroSDK compliant library, which includes functions that simplify software development. The Click board™ comes as a fully tested product, ready to be used on a system equipped with mikroBUS™.

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	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
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

[mikroBUS™ Standard specification](#)

[LibStock: mikroSDK](#)

[Click board catalog](#)

[Click boards™ Standard Page](#)

Downloads

[MCP3202 datasheet](#)

[EL357N-G datasheet](#)

[Balancer 2 click 2D and 3D files](#)

[Balancer 2 click example on Libstock](#)

[Balancer 2 click schematic](#)

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