

Charger 27 Click



PID: MIKROE-5960

Charger 27 Click is a compact add-on board that provides a single-cell charging solution. This board features the [MP2639B](#), a Li-Ion or Li-Polymer switching charger from [MPS](#). It is a highly integrated, flexible switch-mode battery charging management device for a single-cell battery for various portable applications. It uses a 4.5V up to 16V external input voltage to provide up to 2A of programmable charging current. This Click board™ makes the perfect solution for the development of power station applications, USB PD power banks, portable devices, and more.

Charger 27 Click is fully compatible with the mikroBUS™ socket and can be used on any host system supporting the [mikroBUS™](#) standard. It comes with the [mikroSDK](#) open-source libraries, offering unparalleled flexibility for evaluation and customization. What sets this [Click board™](#) apart is the groundbreaking [ClickID](#) feature, enabling your host system to seamlessly and automatically detect and identify this add-on board.

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 the development of power station applications, USB PD power banks, portable devices, and more
On-board modules	MP2639B - Li-Ion or Li-Polymer switching charger from MPS
Key Features	Wide input voltage range, programmable charge current, charge and discharge modes, thermal regulation and thermal shutdown, integrated short-circuit protection, 4 fuel gauge LEDs , Sleep mode, battery detection, input voltage detection, and more
Interface	GPIO
ClickID	Yes
Compatibility	mikroBUS™
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V or 5V, External

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

Downloads

[Charger 27 click example on Libstock](#)

[MP2639B datasheet](#)

[Charger 27 click schematic](#)

[Charger 27 click 2D and 3D files](#)

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