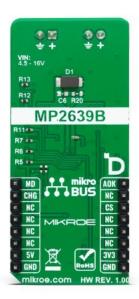
MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia VAT: SR105917343 Registration No. 20490918

Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com

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-lon 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.





health and safety management system.



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Specifications

Туре	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-lon 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

<u>mikroBUS™</u>

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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