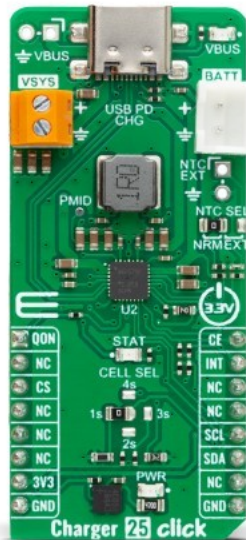


## Charger 25 Click



PID: MIKROE-5839

**Charger 25 Click** is a compact add-on board that contains a battery charger. This board features the [BQ25792](#), a buck-boost battery charger with a dual-input selector, and a USB PD3.0 OTG output from [Texas Instruments](#). It is fully integrated for 1-4 cell Li-Ion and Li-Polymer batteries. Designed specifically for USB applications, it also includes a Narrow voltage DC (NVDC) power path management in which the system is regulated at a voltage slightly higher than the battery voltage without being allowed to drop below the minimum system voltage. This Click board™ makes the perfect solution for the development of Li-Ion/Polymer battery chargers for portable devices and accessories, power tools, and more.

Charger 25 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 the development of Li-Ion/Polymer battery chargers for portable devices and accessories, power tools, and more
On-board modules	BQ25792 - a buck-boost battery charger with a dual-input selector, and a USB PD3.0 OTG output from Texas Instruments
Key Features	Buck-boost battery charger, 1-4 cell Li-Ion and Li-Po batteries support, a highly efficient, wide range of input sources, a wide range of input voltages, narrow voltage DC power path management, USB OtG, 16-bit ADC, low battery quiescent current, high accuracy, and more
Interface	I2C
ClickID	Yes
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V,External

## Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

## Downloads

[Charger 25 click example on Libstock](#)

[BQ25792 datasheet](#)

[Charger 25 click 2D and 3D files](#)

[Charger 25 click schematic](#)

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