

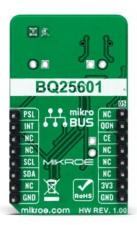
MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia VAT: SR105917343 Registration No. 20490918

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

www.mikroe.com

Charger 6 Click





PID: MIKROE-4576

Charger 6 Click is a compact add-on board that represents a single-cell battery charger. This board features the <u>BQ25601</u>, an I2C controlled battery charger for high input voltage and narrow voltage DC power path management from <u>Texas Instruments</u>. This buck charger supports USB, and it's optimized for USB voltage input. The low impedance power path optimizes switch-mode operation efficiency, reduces battery charging time, and extends battery life during discharge. It also has a programmable current limiting, allowing it to use an external power supply rated up to 13.5V. This Click board™ is suitable as a Li-lon and Li-polymer battery charger for portable devices and accessories, power tools, and more.

Charger 6 Click is supported by a $\underline{\mathsf{mikroSDK}}$ compliant library, which includes functions that simplify software development. This $\underline{\mathsf{Click}}$ board $^{\mathsf{TM}}$ comes as a fully tested product, ready to be used on a system equipped with the $\underline{\mathsf{mikroBUS}}^{\mathsf{TM}}$ 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.









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 www.mikroe.com

Specifications

Туре	Battery charger
Applications	Can be used for a Li-lon and Li-polymer battery charger for portable devices and accessories, power tools, and more.
On-board modules	BQ25601 - fast-charging solution for single-cell Li-lon and Li-polymer battery with high input voltage suitable for a wide range of smartphones, tablets, and portable devices from Texas Instruments
Key Features	High efficiency, USB On-The-Go feature, high battery discharge efficiency, accuracy, programmable input current limit, and more.
Interface	I2C
ClickID	No
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V,External

Resources

<u>mikroBUS™</u>

mikroSDK

Click board™ Catalog

Click boards™

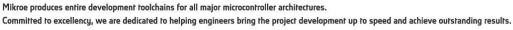
Downloads

Charger 6 click 2D and 3D files

BQ25601 datasheet

Charger 6 click schematic

Charger 6 click example on Libstock







health and safety management system.