



Innovative micro batteries 2D free-form designs

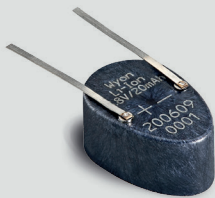
+ SWISS MADE

www.wyon.ch

Innovative, high-performance Li-Ion rechargeable mini and micro batteries in plastic housings.

Located in Switzerland and with more than 20 years of experience, Wyon is a successful solution-provider specialized in miniature and micro batteries. Ensuring our customers benefit from our products is our number one priority. We offer innovative products with real added value. Since 2000, we have developed and sold cells and batteries for the medical device field. Today, we are the world's leading manufacturer of Li-Ion cells and batteries for cochlear implants. We offer off-the-shelf products as well as customized products.

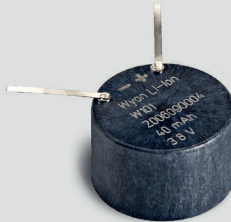
Selection of off-the-shelf batteries:



L 9.9 mm

W 6.5 mm H 4.0 mm

20 mAh

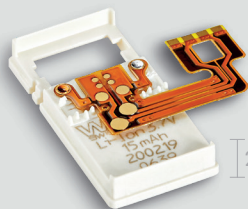


9.1 mm

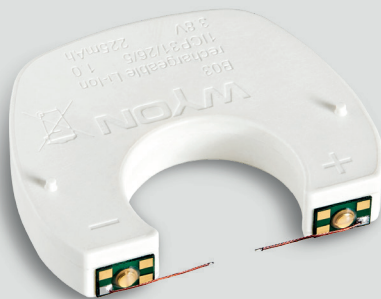
H 5.4 mm

40 mAh

Examples of customized stacked battery designs:



2 mm



4.5 mm



W-technology platform

The W-platform is based on unique technology that makes it easy for our customers to buy customized batteries. Thanks to this platform, development times are much shorter, which has a positive effect on cost. The W-platform is modular and offers fully automated production. By combining the W-platform with our specialized plastic expertise and patented stacking technology, we can offer innovative battery solutions with high added value.

The benefits of our Li-Ion rechargeable batteries in plastic housings

What makes our technology truly unique is the hermetically sealed plastic housing with the ability of customized shaping combined with our patented high-precision stacking technology. Using our microtechnology expertise and the best electrochemical components, we can offer very powerful batteries with maximum customer benefits:



free design

wide scope for customized designs in 2 dimensions



thin and small

height as small as 2 mm



no risk of corrosion

plastic housings and titanium feedthroughs provide maximum protection



higher capacity

higher volumetric energy density (up to 10% higher than competitors)



very lightweight

plastic housing is significantly lighter (up to 60% less compared to metal housing)



long life

extended life cycle – over 2,000 cycles



reduced eddy current loss

Loss reduced by 68% with Wyon plastic casing compared to stainless steel housing



highest quality

Swiss-made, unique serial number per battery, complete traceability, fully automated production line

Do you have a specific need or want to learn more about our competencies and products? Feel free to get in touch with us – our experts will be happy to answer your questions!