

CDT Supercapacitor Battery

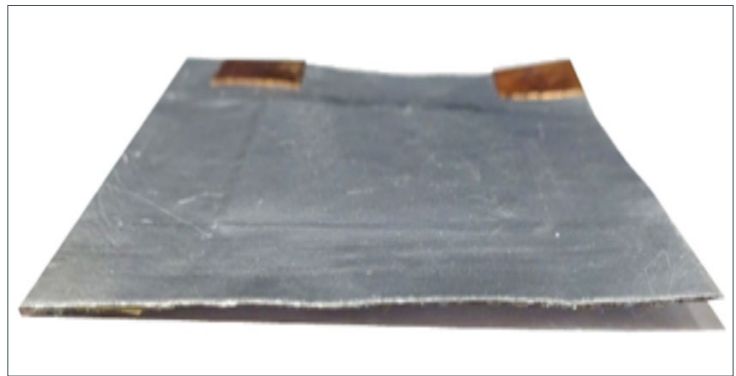
CDT Technology:

- The CDT Organic Polymer Batteries are thin, conformable, and rechargeable energy storage devices with customisable shapes, sizes and charge capacity. The battery voltage is 2.1 V.
- With their unique form factor and intrinsically safe battery chemistry, our devices are a perfect fit for powering wearable medical, health care and fitness applications.
- The low internal impedance and very high peak power capability of CDT Organic Polymer Batteries allows the direct powering of a wide range of communication protocols, without a need for an output capacitor.
- Demonstrated to be compatible with NFC charging.

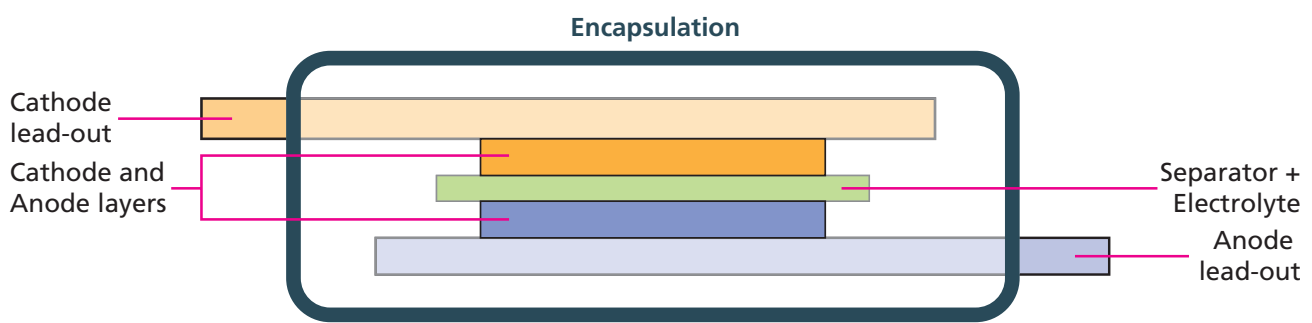
CDT conformal polymer batteries: Shaping the future!

Attributes of polymer-based batteries

- Thin and conformable form factor
- High current pulse capability
- Eco-friendly, no toxic metals
- Lithium-free & intrinsically safe
- Fast recharging



Battery side view:



- Our patented CDT battery technology contains no toxic metals and is lithium-free. It is based on organic polymers that enable fast recharging without a need for additional protection circuits.

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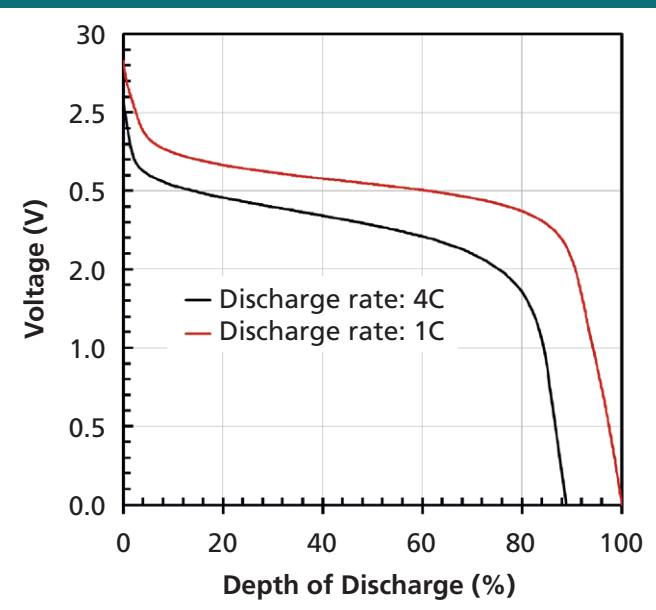
Physical Properties (device example; dimensions are fully customisable):

Area:	25 mm x 30 mm
Thickness:	approx. 1.5 mm
Mass:	< 2g

Indicative Electrical Properties (based on device shown):

Charging source:	3.0 V
Charging rate:	>2C
Capacity:	5 mAh
Output voltage (nominal):	2 V
Continuous output:	1 – 4C
Peak pulse power:	>100mW
Charge/discharge cycles:	>200

Voltage vs. time as function of the Discharge C-rate:



Midpoint voltage as function of cycle number:

