





THE WORLD'S LEADING SUPPLIER CUSTOM THIN FILM FLEXIBLE BATTERIES

Environmentally safe IoT BATTERIES

POWERING THE FLEXIBLE WORLD

- Founded in 2015 by researchers from the University of Cambridge, UK
- Dedicated to the research, development, manufacture & sales of flexible batteries
- Chaired by a Fellow of the Royal Academy of the Engineering with over 30 years'experience in flexible electronics
- R&D centres in Cambridge, UK and Shenzhen, China, and in-house volume manufacturing in China

Our Batteries:

- Are available in 1.5V, 3.0V, 4.5V and 6.0V voltages with a range of capacities
- Can provide peak pulse currents up to 500mA powering wireless communications including RFID, Bluetooth™, Sigfox, LoRa, moity, Zeta & NB-IoT, LTE-M
- Are flexible, less than 0.8mm thick, and can be used in label printers
- Are safe compliant with EU RoHS and international air and maritime transport regulations
- Can be disposed of in househould waste, containing no toxic or heavy metals
- Are manufactured in-house with digital control of the entire process from design to manufacture with 100% in-line QA testing

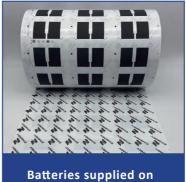
Our Services:

Zinergy provides battery design and integration consultancy services:

- New battery designs produced in weeks
- Transfer to production in a few weeks
- Batteries can be printed directly onto customer-supplied inlays



to size for pick-and-place



reels for roll-roll processing



Batteries printed directly onto inlays and flexi-circuits







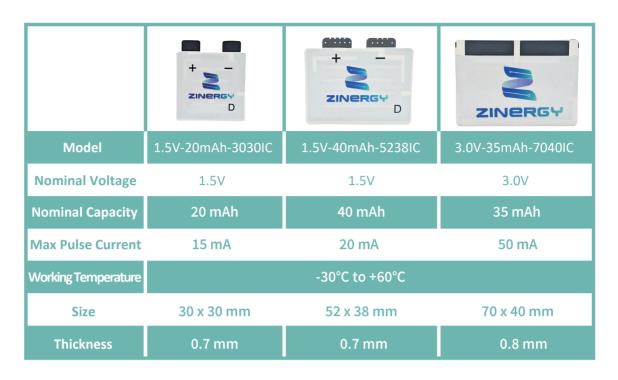


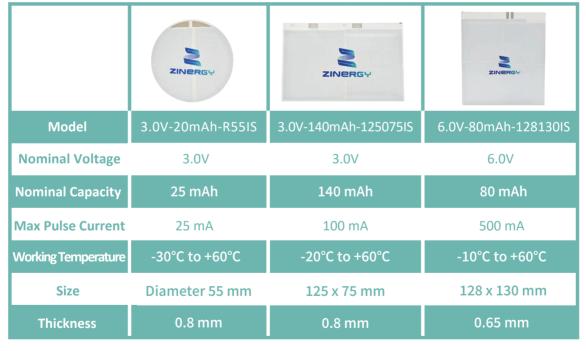












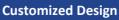














Air-safe Transportation

Applications



Smart Logistic Labels

- Active labels that communicate identity & sensor data wirelessly
- Package-level digital tracebility from factory to destination



Pharmaceutical Traceability

- Product traceability from factory to point-of-care
- Record location, temperature, humidity, shock, and box opening data off-line



Tags for Hospital & Exhibitions

- Tags that track identity and location wirelessly
- Real-time visibility of people movements



Labels for Cold-Chain Monitoring

- Wireless temperature logging from -30°C (-22°F) to +60°C (140°F)
- · Continuous temperature and humidity monitoring



Drug Delivery, Diagnostics & **Cosmetic Patches**

- Flexible patches for enhanced delivery of drugs and creams
- Low cost, connected diagnostic tests



Active Promotional Materials

 Enable unique experiences using light and sound on bottles and boxes activated by NFC or BLE.



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