

## **Battery Solutions to Product Needs**

Product manager are seeking lighter powering solutions to make medical devices smaller and wearables more economic and reliable. ISIT has developed a cell that continues to function under bending stress, unlike the usual cells available on the market, where bending the cell leads to its damage (and thus to a safety-critical condition). Appropriate cells have been developed for

body-worn monitoring devices (EEG brain wave measurement, gait analysis) that can be easily adapted to any medical diagnostic equipment and medical sensors.

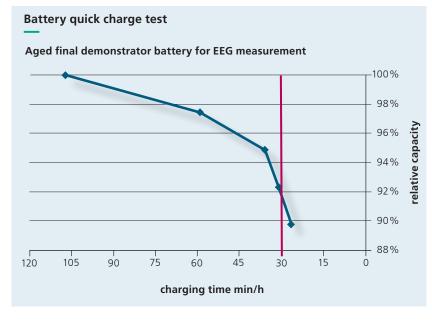
The cells can be manufactured applicationspecifically in a variety of geometries and different cell chemistries. Our technology is suitable for applications with connected devices that are compatible with an Energy Harvester-based wake-up solution.



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Specifications	
Nominal voltage [V] (@C/10)	3.6
Energy [mWh]	216
Capacity@0.1C [mAh]	60100
Dimensions	
(length x width x thickness) [mm]	153x 33x 0.5
Charging time (90 % capacity)	< 30 min
Operation temperature	0 – 50°C
Weight [g]	5
Cell chemistry	
Cathode	LiCoO <sub>2</sub>
Anode	Graphite
Electrolyte	EC/DMC/LiPF <sub>6</sub>
	+Additives
Battery lifetime	
Number of cycles	>1000
Calendar lifetime	5 years