

Application Note

Smart Baby Monitor



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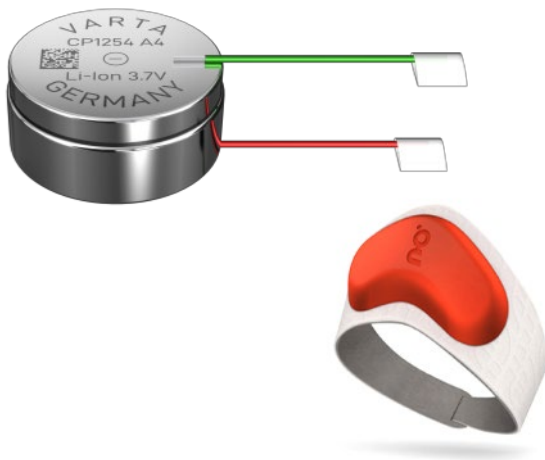
The smart baby monitor made by Sproutling is the next generation of babysitting. It can be connected to the smartphone and will provide you with data like child's heart rate, skin temperature and movement. At the same time it tracks the room's ambient temperature, humidity, and light levels. It is also capable to learn and can predict when your baby will wake up.

Battery challenge

Safety is one of the biggest challenges for wearable medical and healthcare devices. The battery must ensure continuous safety and provide enough energy at the same time to run the application. For this kind of application a prolonged lifetime is expected as well.

Technical solution

A CoinPower CP1254 with customized tags and wires meets the customer's requirements. With this assembly the customer is able to integrate the battery into his already existing design without any compromises.



CHARACTERISTICS	COINPOWER CP1254 A4
Capacity	77 mAh @ 3.7 V
Dimensions	12.1 mm diameter 5.4 mm height
Discharge current	2C continuous 3C for 2 sec
Cycle Performance	>500 Cycles (>85 % of initial Capacity)
Safety Features	Integrated "Current Interruption Device" Robust Stainless Steel Housing

Lithium Coin Cell – CoinPower

The CoinPower series can offer the highest energy density with an outstanding cycle life performance for wearable medical and healthcare solutions. Outstanding safety features will make this battery the perfect rechargeable battery solution. The CoinPower is exclusively produced on fully automated production lines in Germany to ensure a maximum production accuracy on every single cell.

- Highest safety feature on the market
- Discharge current up to 3C
- Best-in-class Cycle Life Performance
- Design flexibility by using tags, wires or just the bare cell with cell holder
- UL, IEC and UN IATA recognized cell
- Reliability – Made in Germany