

# High-power battery for eCall Systems

German company Tadiran Batteries is preparing for when eCall becomes mandatory in Europe. As the company points out, in around 25 per cent of cases where eCall is needed after a car accident, the car battery is broken or disconnected and there will probably be no way to bypass an emergency battery that feeds the system.

Tadiran has developed the TLM-1550HP high-power

lithium AA-sized battery for such situations. It delivers 2Wh of energy with an open circuit voltage of 4.0V. It is capable of handling pulses of up to 15A, and 5A maximum continuous current at 3.2V, a barrier the company claims is too high for most available batteries in the market. The cells have instantaneous voltage response after prolonged storage:

they provide up to 20 years of service life.

Tadiran points out that these cells are safe, rugged and capable of withstanding extreme temperatures from  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$ . The cell design features a glass-to-metal hermetic seal instead of a less-reliable crimped elastomer gasket.

In terms of flexibility, the TLM-1550HP can be easily combined in series or parallel to create custom battery packs in virtually any shape or size. Smaller cells, including sub-1/2 AA and 2/3 AA sizes (with 15 mm diameter), are now available.

[www.tadiranbatteries.de](http://www.tadiranbatteries.de)

