



Custom batteries for personal protection equipment (PPE)

Battery packs for breathing apparatus, powered air purification respirators (PAPR) and safety equipment

We are a UK based manufacturer of lightweight, high energy, custom engineered battery packs. Specifically designed to power safety equipment and portable devices used by fire fighters and emergency services such as breathing apparatus and powered air purification respirators (**PAPR**). Our batteries are engineered with bespoke mechanical enclosures fit for respiratory protection in harsh and critical environments, and may be helmet integrated or body worn.

By working closely with our customers to fully understanding their specific power requirements, our products are designed to improve run time and increase performance. Compliance with worldwide standards such as UN38.3 of The Manual of Tests and Criteria and IEC62133 ensures continued reliability and the highest levels of quality and safety. Amongst our quality accreditations is QAR/ISO/IEC80079-34:2011, making us well placed to serve our customers operating in ATEX / IECEx environments.

Features and benefits

- **Safe and reliable technology:** a reliable power source for all kinds of portable equipment used in critical applications.
- **Custom design and assembly:** built to meet your requirements.
- **Safe worldwide supply chain partner:** delivering the power you need, when you need it.
- We offer independent advice on battery selection and have strong relationships with world leading cell manufacturers. This together with in-house design and close engineering support means we can deliver cost effective, complex projects, on time and within budget.



Our track record of building battery packs for PAPR/PPE applications has earned us recognition with some of the world's leading organisations operating in environments such as dust, gas/vapours, welding, asbestos clearance, building and construction and military. Fire services also deploy our battery packs for remote powered communications integrated into Self Contained Breathing Apparatus (**SCBA**).

When it comes to product design the selection of correct battery chemistry can make a significant difference to the performance and run time of a piece of equipment. We consider all options such as Alkaline and NiMH where the chemistry is best suited, but when space, weight, run time and full life costs are important lithium provides the optimum solution. We are well versed with highly regulated industries and provide portable power to other demanding markets such as medical, oil and gas, aerospace and instrumentation.

If you have a battery pack requirement contact us on **01460 980 100** or email sales@custompower.co.uk.

For more information regarding our battery solutions visit www.custompower.co.uk.

