



# Explosion-proof certified battery

What is a Pyroban explosion protection battery?

The Pyroban explosion protection offshore battery is designed for use in hazardous areas and are corrosion resistant with a 316 stainless casing. The 12V and 24V units contain deep cycle batteries protected with a 50A MCB isolator. These ATEX batteries are not suited to engine cranking applications.

Is Miretti based on explosion proof solutions for Li-ion batteries?

Miretti Group is working with experienced testing laboratories to test and develop explosion proof solutions for Li-Ion batteries. In order to explain the engineering principles on which it is based the safety of Miretti explosion protected Li- Ion Batteries, Miretti would like to elaborate the following comments.

Can a Li-ion battery explode?

The Li-Ion battery may be subjected to high risk of explosion if for example it is selected a wrong chemical type for the cell or an improper mechanical construction design and distancing between the cells, thus making the thermal runaway effect more likely to happen.

Can SAFT Batteries be used in explosive environments?

Saft is offering a number of solutions for use in explosive atmospheres; either as a partially tested component or certified equipment. Saft batteries' long lifetime is also an advantage to avoid replacement in remote or hard-to-reach locations.

What is the best protection for Li-ion batteries?

The Ex d enclosure solution is, in Miretti's opinion, as of now the most practically feasible explosion proof protection for Li-Ion batteries.

What are ATEX batteries used for?

ATEX batteries are designed for use with equipment in hazardous and potentially explosive environments.

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The ATEX Battery from Bushtorm provides safe, explosion-proof power for hazardous areas. Certified to ATEX / IECEx / UKEX standards, it offers extreme vibration resistance, corrosion protection, and deep cycle performance. Ideal for use in oil, gas, mining, and chemical plants. Available with optional junction box for flexible installation.





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Certified for reliability, our explosion proof ventilation fans are designed for hazardous areas, ensuring secure air circulation - FSE SAFE Contact FSE SAFE: Your Premier Industrial Safety Supplier. Excellence, Pricing, Compliance for Project Success.

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