

What is a subsea battery?

The Subsea Battery solution features 132 kWh total nominal capacity with up to 15 kW peak power delivery. LiFeP04 batteries have extremely low self-discharge rates while in standby mode, storage or transport, as compared to other chemistries.

What types of batteries are available for a subsea ups?

Typical applications for our Subsea UPS: We offer a wide range of COTS (Commercial Off The Shelf) and customised battery solutions. 127 mm (w/o conn.) 220 mm (w/o conn.) 300 mm (w/o conn.) Specialised batteries designed for borehole-applications and harsh environments. Resistant to riser fluids, high temperature and high pressure.

How many charge/discharge cycles can a subsea battery support?

Under normal operating conditions the Subsea Battery solution supports thousands of charge/discharge cycles. Designed to integrate with OPT's PB3 PowerBuoy[®] and Hybrid PowerBuoy[®] products, the Subsea Battery solution can also be utilized as a standalone power source or can be configured for recharge by other sources.

What is an opt subsea battery?

The OPT Subsea Battery is an economical and reliable way to power subsea payloads with energy stored in high capacity, zero-maintenance, and environmentally friendly (no heavy metals) lithium-iron phosphate (LiFeP04) batteries. All-steel pressure vessel is designed to ASME standards for a 10-year life

At Alexander Battery Technologies, we bring over 40 years of expertise in custom battery pack design and assembly, serving a wide range of industries from medical, robotics and automotive to consumer electronics and many other ...

The Aquadopp 500 m is a compact, accurate and affordable single-point current meter for applications where a current profile is not needed. Designed for use in several deployment scenarios, from mooring lines to bottom-mounted structures, it also has the option to perform PUV-based directional wave measurements, making it a cost-effective and simple solution.

In the world of medical devices, battery-powered equipment is a growing sector of modern healthcare, providing vital support and functionality across a spectrum of applications, both in the hospital and in the home. From Oxygen Concentrators to Lifters & Mobility Equipment, Respiratory Care devices, and Surgical Drills, the demand for reliable and high-performance ...

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and many other industrial applications. We specialise in developing bespoke solutions that meet your business's exact requirements and deliver reliability, ...

A powerful battery pack serves as storage. The same generator can act as an electric drive motor on the propeller and be available to the ship for slow maneuvering. A diesel engine with an output of approximately 250 kW is installed as a redundancy drive, which guarantees the ship the required minimum speed of 7 knots even without sail ...

Specifically designed for divers undertaking ultrasonic thickness measurement (UTM) of underwater structures. The Cygnus Underwater diver held tester has been built to withstand harsh subsea environments while providing quick and accurate metal thickness measurements through coatings or heavy corrosion. This diver-held thickness tester is simple to operate using 3 ...

As a trusted leader in lithium-ion battery packs, we specialise in the design and manufacturing of custom battery packs for OEMs, with over 40 years of expertise and more than 15 million products delivered globally. Our commitment to innovation and quality ensures OEMs receive reliable, high-performance solutions that meet their unique power requirements.

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Our team, headed by a dedicated project manager, develops your custom battery pack design from concept through to manufacturing. Working collaboratively with your team, we work through DFMEA, drawings, PFMEA, PPAP submissions, sampling, tooling, battery certifications and approvals, testing, supply chain and manufacturing ramp-up.

The Imenco Nautronix range of Subsea Power Systems and Battery Packs provide a highly reliable energy source designed for a range of applications in harsh subsea offshore environments. Imenco Nautronix has an extensive ...

The Test & Measurement industry is one we have worked closely with for many years. We manufacture batteries for monitoring tools such as acoustic & thermal-imaging devices, alignment tools & temperature measurement tools, the demand for custom battery packs to support portable applications in a range of environments is huge. At Alexander Battery Technologies, we ...

Your Custom Lithium-Ion Battery Pack Manufacturer. Designing, developing and manufacturing customised lithium-ion battery packs using a full range of battery chemistries, Alexander Battery Technologies delivers incredibly reliable custom battery packs for businesses across the industries we serve.. We use our experience from the last 40 years to listen to our customers" ...

A Reliable Subsea Pressure-Compensated Submersible Battery. The subsea community has relied on our

SeaBattery Power Module for over 30 years. The durable design works in the most demanding subsea applications. This battery has a pressure compensated design and an 11,000 m depth rating. 12V, 24V, and 48V configurations are available. ...

Experienced design capabilities, with experience of aviation & UAV requirements and certifications.; 12 dedicated development laboratories for new battery project developments up to 800V and >100kWh. Accreditations for IATF16949, ISO ...

Best subsea battery pack. High-capacity. Specs, quote, pricing and information on Ocean Sonics Submersible Battery Pack - Uses D-Cell Lithium or Alkaline batteries. Best subsea battery pack. High-capacity. top of page. Advancing Underwater Exploration Call Toll-Free: 855-SUBSEA1. HOME. INSTRUMENTS & SENSORS.

Custom Battery Pack Design & Assembly. We partner with clients to deliver customised solutions for battery design & manufacturing. Working with industry-leading multi-kWh technologies that are fully integrated with a smart BMS we ...

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