



Long Endurance Subsea Batteries

SeaPower Key Features



Unlock Greater Mission Capability

- Subsea operations shouldn't be limited by bulky power systems.
- Market-leading energy density extends mission range and endurance.



When Mission Success is not Optional

- Critical missions demand uncompromising safety and performance.
- Engineered for unwavering reliability where failure is not an option.



Built Around the Mission

- Your vehicle was designed for a purpose. Your battery should be too.
- Modular, scalable architecture adapts to your specific power profile.

Energy and Reliability for Extended Missions

Kraken's SeaPower is a subsea lithium ion battery featuring a proprietary polymer matrix for pressure-tolerant encapsulation and an integrated Battery Management System (BMS).

This breakthrough in battery encapsulation technology delivers 200% greater energy density and 46% less weight per kWh compared to traditional oil-compensated or pressure-housed subsea batteries.

Its exceptional energy-to-volume and weight ratios enable extended, deeper, and more complex underwater missions.



Advanced Technology

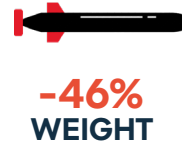
- Rated to 6,000 m, our pressure-tolerant Li-ion pouch cells embedded in a polymer matrix eliminate the need for housings or oil compensation.
- BMS architecture enables parallel operation across varying state of charges, real-time telemetry, and software-based power control.

Certified Reliability

- Subjected to stringent ISO-certified quality control procedures, units are pressure-tested up to 660 bar to ensure reliability and durability.
- BMS monitors every cell for temperature and voltage, with system-wide communication to ensure reliable mission execution.
- Designed for compliance with UN 38.3, IEC, DNV, and NAVSEA standards.

Scalable Energy Solution

- Modular battery modules configurable to meet power requirements across diverse underwater platforms.
- Scalable solutions from 2 kWh to 5 MWh for small to extra-large underwater vehicles.



Breakthrough
PRESSURE TOLERANCE

Potted
BATTERIES

EXTENDED MISSIONS

Strategic Efficiency in Naval Operations

**FROM 40 TO 100+
HOURS ENDURANCE**

Utilizing SeaPower batteries, a client upgraded their UUV's battery capacity from 48 kWh to 96 kWh within the same volume while achieving a 46% reduction in weight per kWh.

