

Corvus BOB

Corvus containerized battery room (CBR) solution is a complete, self-contained battery room solution for ship installation. The battery room with needed control, standardized interface, and auxiliary equipment are installed in the CBR and provide easy installation and interface on board vessels.

Corvus BOB is equipped with the state of the art ESS system, Corvus Orca Energy, which is one of the safest battery available for marine use. Orca Energy is built with Single Cell Passive Thermal Runaway protection, and type approved according to the most stringent rules and regulations.

- Stand alone battery room
- Plug and Play interface
- Highest fire protection (A60)
- Standard ISO footprint
- Integrates with all power management systems
- FAT approved
- Type approved



STANDARD OPTIONS
10 ft & 20 ft Standardized ISO footprint



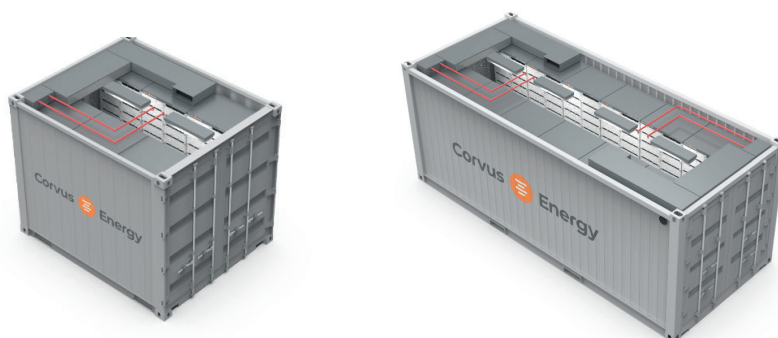
Technical Specifications | Corvus BOB Container

Battery Specifications

Class Compliance	DNV GL, Lloyds Register, Bureau Veritas, ABS, RINA
Type Approval	DNV GL, Bureau Veritas, ABS, RINA
Vibration and shock	UNT38.3, DNV 2.4, IEC 60068-2-6
EMC	IEC 61000-4, IEC 60945-9, CISPR16-2-1

Battery Safety Specification

Thermal Runaway anti-propagation	Passive cell-level thermal runaway isolation with exhaust gas system
Fire suppression recommended	Per SOLAS, class and Corvus recommendation
Disconnect circuit	Hardware-based fail-safe for over-temp, and over-voltage
Short Circuit protection	Fuses included on pack level
Emergency stop circuit	Hard-wired
Ground fault detection	Integrated
Disconnect Switchgear Rating	Full load



Corvus BOB Configuration options

	10ft. Corvus BOB	20ft. Corvus BOB
Max Energy Capacity	744 kWh	1492 kWh
Total Weight Estimate	15 000 kg	30 000 kg
Outside Height	3000 mm	3000 mm
Outside Length	2991 mm	6058 mm
Outside Width	2438 mm	2438 mm
Number of Packs	6	12
Max Voltage	700 - 1100 VDC	700 - 1100 VDC
Voltage Range Step	50 VDC	50 VDC
Cooling Capacity	15 kW	30 kW
Cooling System*	CW fan coil	CW fan coil
Fire Extinguishing**	Water Mist	Water Mist

* Air to air AC unit optional

** Inert gas optional