

## Product Introduction

RS-D317 is a DNV type approved Marine Battery System that is not only high-performance but also modular and scalable. With a maximum operating voltage reaching up to DC1000V and modules capable of drawing currents up to 300A, it proves itself suitable for high-capacity energy solutions. Our products are equipped with a sophisticated three-level architecture BMS that diligently monitors all functions and technical parameters through seamless communication, providing an additional layer of safety against potential failures. RS-D317 is well-suited for applications requiring both high energy and power output, efficiently transferring large amounts of energy at a low lifetime cost per kWh.

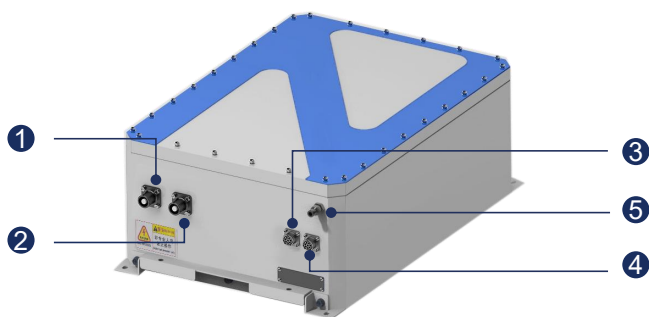
### Battery System

- ① BMBOX: Battery Module Box (with a BCU & ITMU)
- ② BSBOX: Battery String Box (with a BSMU, ITPU & HVSU)
- ③ BABOX: Battery Array Box (with a BAMU & EMU)
- ④ HMI
- ⑤ E-STOP
- ⑥ Communication Cable
- ⑦ Power Cable



### Battery Module

- ① BAT +
- ② BAT -
- ③ COM IN
- ④ COM OUT
- ⑤ Fire Coupling



### Typical Vessel Types

- Ferries
- Wind Farms Service
- Offshore Vessels
- Merchant Vessels
- Cruise Ships
- Tugs
- RoRo / RoPax
- Yachts
- Fishing Vessels
- Sightseeing Vessels
- Containerized ESS
- Shore Charging
- Fishing Farms
- Canal Boats
- Tourist Vessels

### Features and Benefits

- LFP cell from CATL
- Light weight
- Modular design
- Flexible installation
- Low lifecycle cost
- Scalable capacity and voltage
- Three-level BMS architecture
- No thermal propagation
- Independent temperature protection
- Enhanced mechanical design
- Independent fire extinguishing system
- Remote monitoring and diagnosis



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