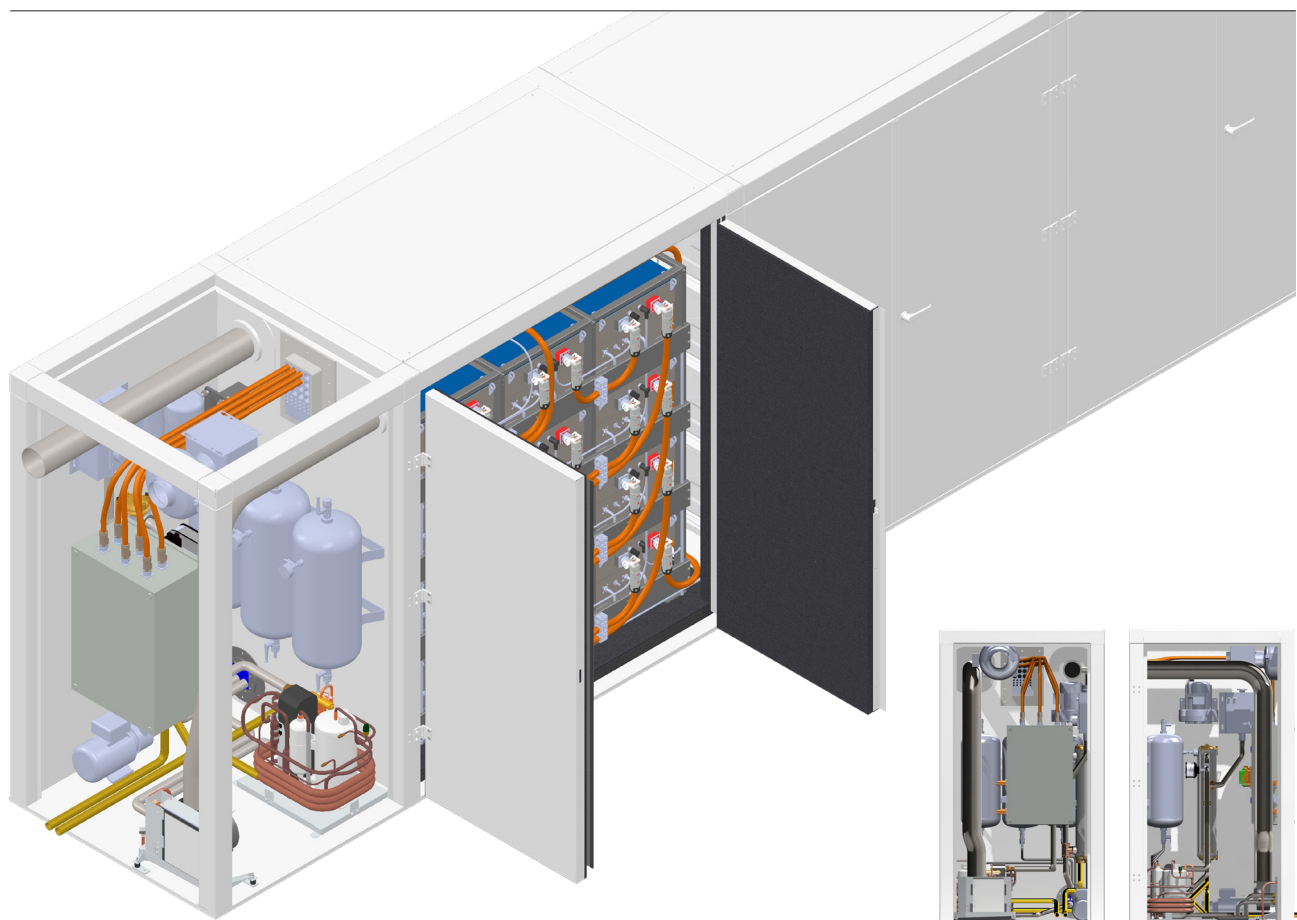


ZENORO



# Zenoro Battery System

**Seamless integration of battery  
and supporting systems**

Powered by NPS Driven

## **Powering a cleaner future**

- ✓ Integrated auxiliary systems
- ✓ A-60 fire rated enclosure
- ✓ Modular design

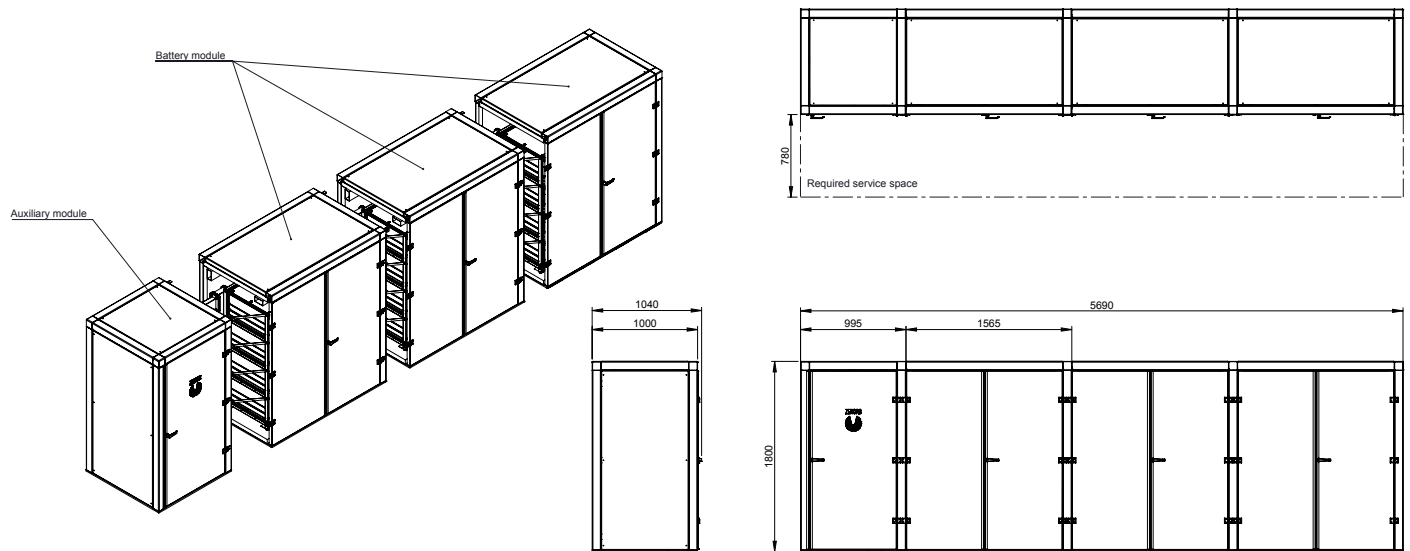
# Zenoro Battery System



Powered by NPS Driven

At ZENORO we are fully committed to delivering reliable on-board power solutions for your vessel. With this vision in mind, we've created the Zenoro Battery System - an advanced energy system, equipped with vital safety and monitoring systems, and with an effortless integration into your vessel's power system.

Housed in a high quality enclosure that meets the stringent A-60 fire safety standards, the Zenoro Battery System combines performance and safety in one robust unit. Designed as a plug-and-play solution, the pre-configured battery system is ready for immediate installation, allowing you to focus on what truly matters – your journey at sea.



## Electrical features:

- Safe LFP battery system technology
- Anti-propagation system
- Master/slave battery management system
- Redundant CAN bus communication
- 1C charge/ 1C discharge
- Standard system nominal voltage 614V
- Standard system capacities 140, 280, 420 kWh
- Based on MG Energy Systems components

## System features:

- A-60 thermally insulated enclosure
- Separate battery off-gas duct
- Battery space ventilation
- Integrated fire extinguishing system
- Fire detection
- Liquid based battery cooling
- Integrated chiller
- Master controller with touchscreen

## Interfaces:

- Battery off-gas duct and enclosure ventilation inlet & outlet
- 400V AC power supply input
- Backup fire extinguishing inlet
- HV DC bus connection
- BMS and auxiliary systems info on CAN bus or Modbus
- Alarm contacts

## Unique propositions:

- Pre-integrated battery system solution
- A-60 fire rated enclosure
- Designed to meet IACS Class Societies rules
- Minimal number of interfaces
- Easy integration
- Relieves yard integration effort
- Facilitates retrofitting