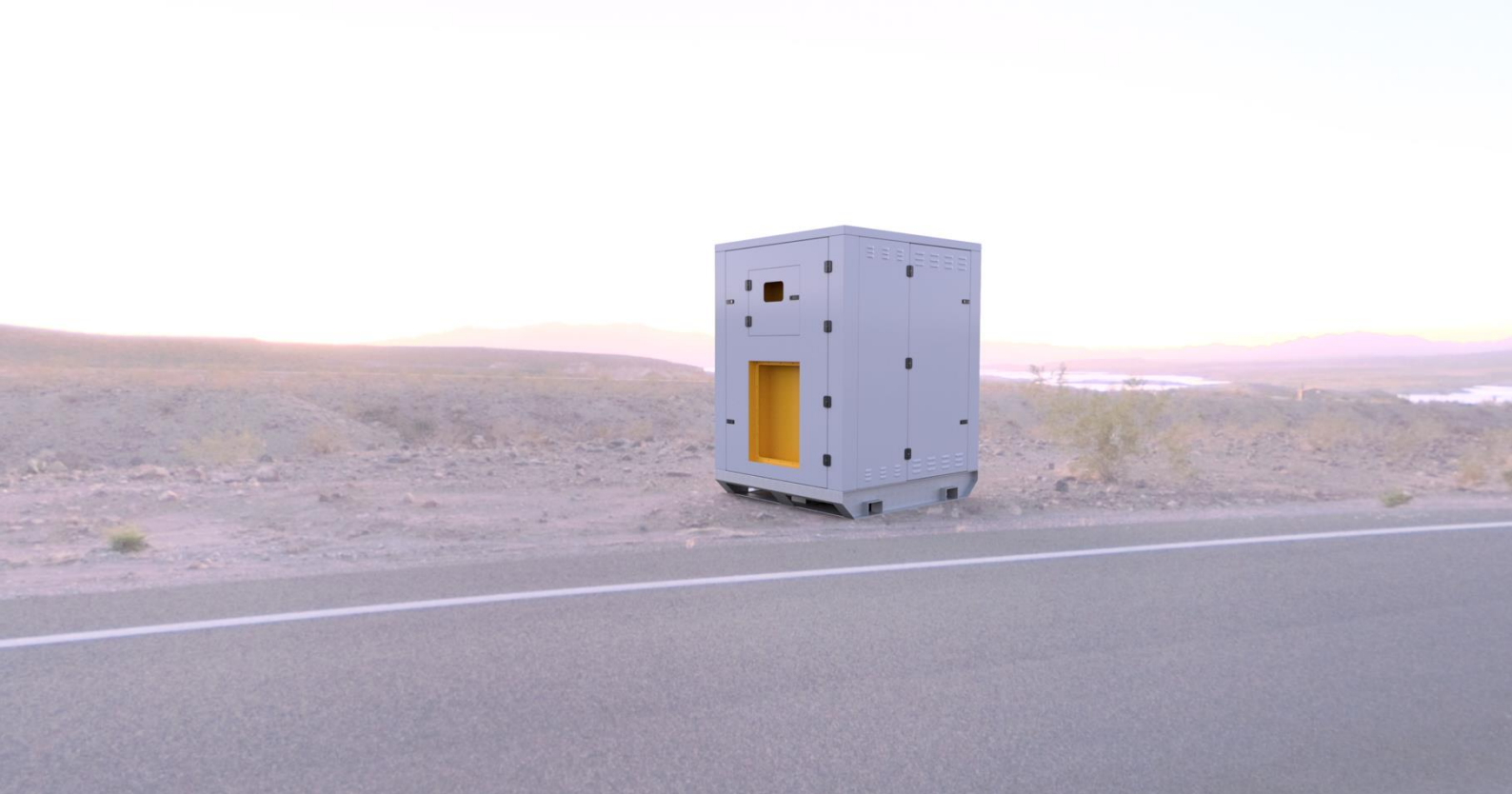




CaroVolt Sixty100

60 kW / 100 kWh BESS with 102.4 kWh nominal battery storage

The CaroVolt Sixty100 is a compact, high-capacity battery energy storage system engineered for reliable hybrid and off-grid temporary power deployment. It combines a modular LFP battery architecture with fire suppression, industrial three-phase inverter platform, robust fabricated steel canopy and service-friendly access in a system designed around safety, isolation, monitoring and long-term operational reliability.

60 kW

continuous output

75 kW

30 second peak

102.4 kWh

nominal storage

92.2 kWh

usable energy

400 A

external pass-through

TBCoperating mass
Approximate

BUILT AROUND OPERATIONAL SAFETY

- Inbuilt fire suppression
- Full AC and DC isolation during emergency scenarios
- Separate battery and inverter compartments
- Integrated monitoring and remote diagnostics

Indicative renders shown. Specifications subject to final validation and continuous product development.

CaroVolt Sixty100

Safety-led system architecture



Not just storage. A serviceable, isolatable energy platform.

The CaroVolt Sixty100 has been developed around the practical risks of deployed battery systems: access, heat, fault response, monitoring and emergency electrical isolation. The result is a packaged BESS that is easier to inspect, easier to support and more deliberate in the way safety is built into the product architecture.

CONTAIN

Robust fabricated steel canopy, separated service areas and modular LFP battery architecture.

ISOLATE

Full AC and DC isolation capability during emergency scenarios.

SUPPRESS

Inbuilt fire suppression specified as part of the system safety design.

SUPPORT

Remote monitoring, diagnostics and fleet visibility for proactive support.

DESIGN PRINCIPLES

- Modular low-voltage battery system
- Industrial three-phase inverter platform
- Service-friendly separated compartments
- External 400 A pass-through capability
- Front and side forklift access
- Designed to integrate and scale with other Zower equipment

Technical specification

CaroVolt Sixty100

ELECTRICAL AND ENERGY

Rated output power	60 kW continuous
Peak output capability	Up to 75 kW for 30 seconds, under normal operating conditions
Output configuration	400 V AC, three-phase
Frequency	50 Hz
Nominal stored energy	102.4 kWh
Namesake energy class	100 kWh
Usable energy	92.2 kWh
Power conversion efficiency	Up to 96%
External transfer / pass-through	400 A external pass-through capability
Monitoring	Integrated remote monitoring and control

BATTERY AND SAFETY

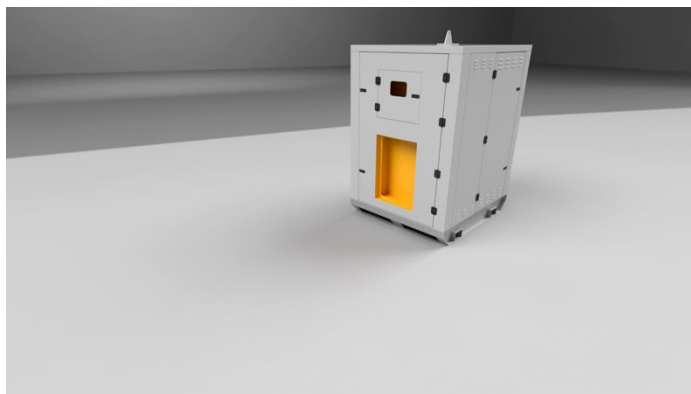
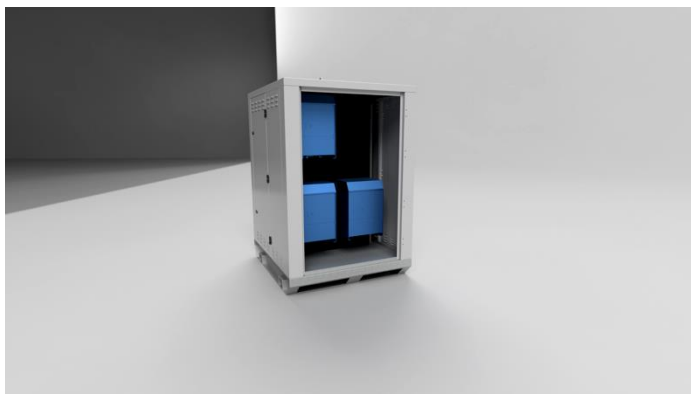
Battery chemistry	Lithium Iron Phosphate, LFP
Battery architecture	Modular low-voltage battery system
Operating depth of discharge	80% DoD, operating between 100% and 20% state of charge
Battery design life	≥ 6,000 cycles at 80% DoD
Fire protection	Inbuilt fire suppression
Emergency isolation	Full AC and DC isolation during emergency scenarios
Compartment separation	Separate battery and inverter compartments

MECHANICAL AND HANDLING

Dimensions	1980 × 1350 × 1495 mm, H × W × D
Operating mass	TBC, approximate weight 2000kg
Enclosure	Robust fabricated steel canopy with ventilated access doors
Movement	Front and side forklift access, pallet truck compatible
Lifting provision	Dedicated lifting provision
Product format	Compact packaged BESS for temporary and off-grid power use
Fan noise	Applicable during operation

Deployment, access and support

Built for real-world operation



TYPICAL APPLICATIONS

- Construction and temporary site power
- Hybrid generator support
- Peak shaving and power buffering
- Events and film/TV production
- Off-grid commercial power
- Rental fleet deployment

ZOWER SUPPORT

- Commissioning and system handover
- Remote monitoring and diagnostics
- Service and maintenance support
- Fleet support for deployed assets
- Technical guidance and aftersales support
- Designed to integrate with other Zower equipment

The CaroVolt name

The CaroVolt name is a quiet tribute to Caroline, whose encouragement, belief and support helped shape the confidence behind Zower's beginnings.