

LIIONTEK

# THE GOLD STANDARD IN LITHIUM SAFETY

**Schneider Containment Generation 4 (SC-V4 Series)**  
Advanced Thermal Runaway prevention. Engineered for safety, designed for seamless integration.

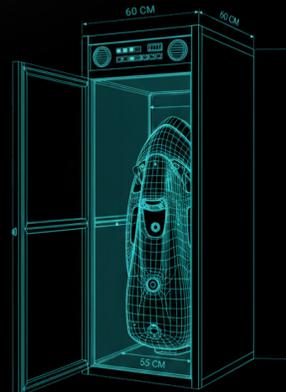


## PRODUCT DESCRIPTION

The Schneider Containment Generation 4 is a state-of-the-art, explosion-proof safety cabinet engineered to prevent thermal runaway before it can ever begin. Far more than a simple storage and charging solution, this next-generation unit delivers continuous, high-sensitivity monitoring capable of detecting chemical signatures of battery failure at 1 PPM/second.

When early indicators are detected, the system automatically activates a suite of preventative countermeasures, rapid port closure, including precision-controlled ventilation and our gel-based extinguishing module to neutralize emerging threats instantly.

Constructed from non-combustible & explosionproof materials and available with customizable marine-grade finishes, the Schneider Containment Gen-4 sets a new benchmark in intelligent energy safety, providing unmatched protection for modern lithium energy storage onboard the world's most advanced vessels.



## VALUE TO CUSTOMERS

-  **Uncompromised Safety**  
Provides certified protection against lithium-ion hazards, ensuring the safety of personnel and critical assets.
-  **Early Intervention**  
Detects single-cell failures instantly, preventing catastrophic thermal runaway before it spreads.
-  **Premium Integration**  
Aesthetically versatile design allows for installation in high-end yachting, residential, or industrial environments without looking like industrial machinery.
-  **Plug & Play**  
Fully automated electronics with internal back-up power ensure the system is always guarding, even during power outages.

## TECHNICAL SPECIFICATIONS

### HOUSING & BUILD

- Structure:** Explosion-proof housing with custom aluminum extrusion profiles
- Insulation:** Fire Class A1 Non-Combustible internal panels with High-Pressure Laminate (HPL) finish
- Safety Features:** Dual pressure relief valves for explosion prevention.
- Lighting:** Integrated LED internal illumination.
- Mounting:** Standard base; optional mounting feet or heavy-duty mounting frame.
- Suppression:** Extinguishing module with NTA:8133 certified and MED approved Gel

### TECHNOLOGY & CONTROL

- Detection:** Ultra-sensitive Single Cell-Failure detection (Response: 1 PPM/Per Second)
- Automation:** Full active ventilation and dual-stage filtration system
- Management:** Dual temperature detection and control; 90dB audible alarm.
- Connectivity:** Full analog control with AMCS integration; Door closure contact sensors.
- Power:** 110-230v, 50-60Hz. Integrated UPS with internal Lead-Acid back-up battery.
- Interface:** Optional Touchscreen control panel.
- Water Safety:** Water pressure regulation (only with water integration option).

### CUSTOMIZATION OPTIONS

- Custom paint, wrap, or veneer finishes to match interior design
- Integrated water connection for flood-cooling (mixed with cooling fluid).
- External extinguishing unit (Full stand-alone system)
- Internal shelf systems and custom mounting racks.
- Bespoke external and internal dimensions available upon request.

**LEAD TIME**  
From stock or Maximum 3 weeks (made to order).



Model	External Dimensions (HxWxD)	Internal Dimensions (HxWxD)	Weight (Approx.)
SC-V4-1	1500 x 600 x 600 mm	1300 x 550 x 550 mm	150 kg
SC-V4-2	1000 x 600 x 600 mm	800 x 550 x 550 mm	100 kg
SC-V4-3	750 x 600 x 600 mm	550 x 550 x 550 mm	75 kg
SC-V4-4	500 x 600 x 600 mm	300 x 550 x 550 mm	50 kg
SC-V4-5	375 x 600 x 600 mm	275 x 550 x 550 mm	40 kg
SC-V4-A	1500 x 300 x 600 mm	1400 x 280 x 580 mm	60 kg



## Get in Touch With Our Specialists

Request technical specifications, integration guidance, or a tailored quotation for your project. Our team is ready to support you with expert advice.

## LIIONTEK

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