

INDOOR LIFEPO₄ BATTERY CABINET

Model: RS-SRA5P

FEATURE

Rugged Industrial Design

Heavy-duty welded steel frame with powder-coated black finish.
 Dual-access design: Lockable front door + rear door with latch mechanism.

Scalable Energy Capacity

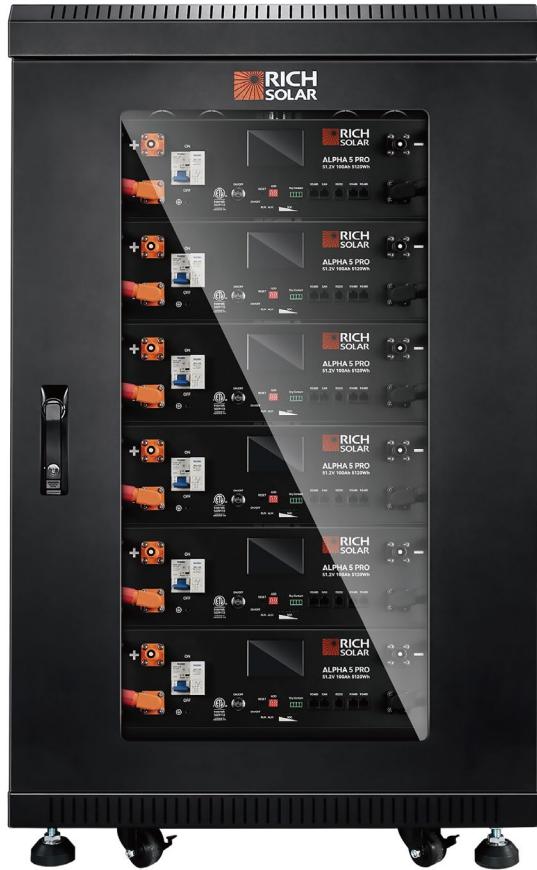
Holds 6x ALPHA 5 LiFePO₄ rack batteries (5.12kWh each → 30.72kWh total).
 600A-rated copper busbars with heat shrink protection.

Easy Installation & Mobility

4 swivel casters (front pair with brakes) with adjustable rubber feet for leveling.
 Multiple cable entry points (top/sides) for flexible wiring.

System Integration Ready

Supports parallel battery configurations for scalable power output.
 Daisy-chain communication ports for seamless ESS connectivity.
 Wide operating temperature range (-4°F to 113°F).



SPECIFICATION

Battery Chemistry	Lithium Iron Phosphate (LiFePO ₄)
Module Energy	5.12kWh
Module Voltage/Capacity	51.2V / 100Ah
Module In Parallel	6
Total System Voltage	51.2V
Total Energy Capacity	30.72kWh
Max Busbar Current	600A
Dimensions (W×D×H)	27.56×27.56×44.09 in (70×70×112 cm)
Weight (with casters)	224.87 lbs (102 kg)
Operating Temperature	-4°F to 113°F (-20°C to 45°C)
Warranty	5 Years

Ideal Applications

- Residential/Commercial ESS expansions
- Compact battery collocation
- Systems requiring high-current busbars (e.g., inverters, UPS)