

## S48-100LFP STACK-LV

### STACKABLE 48V (51.2V NOMINAL) 100AH BATTERY

Suitable for residential and commercial off-grid systems or grid-connected backup applications, the new **S48-100LFP STACK-LV** battery is designed for 48V system integration offering 100Ah capacity (5.12kWh) per battery in a safe, stackable & mobile format for systems requiring reliable long-lasting energy storage.

Each **S48-100LFP STACK-LV** battery features a built-in BMS, an onboard display providing status and error indication, dual M8 terminals and four supplied 200A busbars for high charge/discharge capability [400A with 5+ battery assembly], integrated RS-485 & CAN bus ports for inverter connectivity, long-lasting prismatic LiFePO<sub>4</sub> cells rated for >6000 cycles at 80% DOD (.5C @ 25°C, 80% EOL) / >3500 @ 100% DOD (1C @ 25°C, 60% EOL), and a 7-year manufacturer warranty.\*

\*Industry-leading 10-year performance warranty with product registration.

S48-100LFP STACK-LV	DESCRIPTION
S48-100LFP STACK-LV	<p>Each battery includes a front display with SOC, error &amp; run indication, rear terminal and communication hookup featuring dual positive &amp; negative M8 terminals with included busbars, Link in/out parallel connection ports, external RS-485 and CAN bus ports, Bluetooth connectivity, and inverter communication setup through the Rolls LFP Connect app and Rolls LFP Desktop PC software.</p> <p>Includes: Rolls <b>S48-100LFP STACK-LV</b> battery, 2 x 200A positive busbars, 2 x 200A negative busbars, RJ45 parallel communication cable, ground cable, assembly hardware, S48-100LFP STACK-LV Battery Operating Manual</p>
ADDITIONAL COMPONENTS:	
LFP STACK BASE+TOP ASSEMBLY	<p>Rolls <b>LFP STACK BASE+TOP ASSEMBLY</b> allows easy stacking and connection of up to eight (8) <b>S48-100LFP STACK-LV</b> batteries with included components, cabling and hardware. The base features pre-assembled casters and adjustable leveling feet allowing for adaptation to uneven surfaces, and an anti-tilt bracket is provided to securely fasten to a wall</p> <p>Includes: Base, Top, busbar combiners, RS-485 cable, RS-485 to USB converter cable, RJ45 external communication cable, ground cable, anti-tilt bracket, assembly hardware.</p>

## MODULAR DESIGN

Using the **LFP STACK BASE+TOP ASSEMBLY** (sold separately) the installation and connection of one (1) to eight (8) **S48-100LFP STACK-LV** batteries is simple. All of the necessary components, communication cables and hardware are included.

Once assembled and connected, the battery stack can be securely fasten to a wall using the supplied anti-tilt bracket and mounting hardware. For added safety, the unit may also be secured to the floor using the threaded inserts provided on each side of the base.



Visit [www.rollsbattery.com](http://www.rollsbattery.com) to view available models and full product specifications including the full range of premium deep cycle Series 4000, 4500 & 5000 flooded lead-acid batteries, sealed AGM & GEL models, and LiFePO<sub>4</sub> lithium options. Rolls batteries are sold exclusively via authorized distributors & dealers worldwide, and online direct within Canada.



S48-100LFP STACK-LV  
front & rear

## S48-100LFP STACK-LV

- Designed for 48V system integration
- 51.2V nominal 100Ah capacity [5.12kWh] per battery
- Stackable up to eight (8) units [40kWh]
- Prismatic LiFePO<sub>4</sub> cells
- Onboard display with status indication
- Dual positive & negative terminals
- (4) Included 200A busbars
- Up to 400A charge/discharge capability (5+ battery installation)
- Included internal & external communication cables
- Internal BMS switch & relay, and external breaker access
- >6000 @ 80% DOD (.5C @ 25°C, 80% EOL)
- >3500 @ 100% DOD (1C @ 25°C, 70% EOL)
- UL 1973, UL 9540, UL9540A
- IEC 62619, UN 38.3
- IP52 Rating
- 7-year warranty\*

\*Industry-leading 10-year performance warranty with product registration

## LFP STACK BASE-TOP ASSEMBLY

- Installation of one (1) to eight (8) S48-10LFP STACK-LV batteries
- Casters & leveling feet
- Anti-tilt mounting bracket
- Includes all assembly components and hardware, including PC connection cable

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