



# 48v pro server rack battery

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SOK 48V 25kWh Server Rack Battery Kit: Powering Efficiency and Reliability. ...

Schedule your installation today!

Looking for an install? Our team can have you up and running in no time!

Designed for use with the SOK Server Rack

Certified to UL1973 and UL9540A Standards. This battery will not be CEC listed or UL9540 certified.

SOK 48V Server Rack Battery - High-Capacity, Modular Energy Storage

The SOK 48V Server Rack Battery offers 5.12 kWh of energy storage in a compact, modular design that's both user-serviceable and highly efficient. Whether you're powering a home energy system, a data center, or telecom infrastructure, this battery provides exceptional capacity with a minimal footprint.

SOK has earned a strong reputation for delivering top-tier quality and safety at an affordable price, and the SK48V100 is no exception. This Grade A+ Lithium Iron Phosphate (LiFePO<sub>4</sub>) battery pack is engineered to fit seamlessly into standard 19" EIA server rack enclosures or the custom-built SOK Server Rack. Featuring a 16S (48V nominal) 5.12 kWh LiFePO<sub>4</sub> battery bank paired with an advanced Battery Management System (BMS), the SK48V100 ensures automated, maintenance-free operation with a typical lifespan of over 4,000 cycles.

Ideal for medium- to large-scale off-grid or grid-interactive energy storage systems, the SK48V100 is also perfect for server and backup applications. Its versatility, expandability, and ease of servicing make it an excellent solution for a broad range of energy storage needs.

**User-Serviceable Design:** Unlike many sealed batteries, the SOK battery is designed for field servicing. You can easily replace any component with just a Phillips screwdriver and a 10mm wrench.

**Advanced Safety Features:** Equipped with a smart BMS, the SK48V100 provides full protection against overcharging, deep discharge, short circuits, and even low-temperature charging to ensure reliable performance in extreme conditions.

**Extended Cycle Life:** Built with high-capacity LiFePO<sub>4</sub> cells, this battery retains 80% of its capacity after 4,000 cycles at a 100% Depth of Discharge (DOD) and 1C rate, ensuring long-term reliability.



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