

HUB-51.2V-100-LFP-RMH : Rackmount Energy Storage Battery - LiFePO4

48V 100AH



Price: CAD \$3,799.00

SKU: HUB-51.2V-100-LFP-RMH

Product Categories: [Batteries](#), [Lithium](#), [Multi-Use : 48V](#), [Shop](#)

Product Tags: [48v](#), [5kwh](#), [backup](#), [canada](#), [heated](#), [HUB-51.2V-100-LFP-RMH](#), [HUB-51.2V-100-LFP-RMH canada](#), [lfp](#), [lifepo4](#), [rack mount](#), [rack mount battery](#), [rackmount](#), [rackmount lithium battery](#)

Product Page:

<https://www.modernoutpost.com/product/hub-51-2v-100-lfp-rmh-rackmount-energy-storage-battery-lifepo4/>

Product Summary

The HUB-51.2V-100-LFP-RMH is one of the leading Lithium Iron Phosphate battery modules for home and commercial projects. It's a rackmount energy storage

battery designed for optimum installation and long-term performance. With grade-A LiFePO4 prismatic cells, built-in non-parasitic heating system, and up to 300A charge rate per string, it's the ideal energy storage building block for Canada.

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HUB-51.2V-100-LFP-RMH V5 Features

Highest Safety Standards

Canadian Electrical Code compliant. UL1973 and UL9540A.

Closed loop communications available

Low-Temperature Charging

Designed for cold environments with a built-in non-parasitic heating system that takes energy from the charging system to warm the batteries before accepting a charge.

Smart Energy Management

Field-proven sophisticated BMS (battery management system) maximizes reliability & long-term performance. Remotely managed firmware updates are available.

Fast Charge / Discharge Rates

Fully charge the battery in as little as 1 hour. Output rates up to 1C.

Ultra-Long-Life Battery Cells

Incorporates Tier-1 automotive LFP cells for maximized life cycles.

Over 6,000 cycles at 80% DoD means a design life approaching 20 years.

Simplified Connections

No busbars needed. Up to 300A can be applied through the inter-module cabling system.

10-Year Warranty

From HUB, a Canadian-based company. This means fast, reliable service should your system ever encounter a performance issue.

HUB-51.2V-100-LFP-RMH V5 Specifications in Brief

Chemistry : Lithium Iron Phosphate (LFP / LiFePO4)

Nominal Voltage : 51.2V (48V systems)

Voltage Range : 44.8V - 57.6V

Nominal Capacity : 100Ah

Nominal Energy : 5.12kWh

Unit Dimension (L x W x H) : 48.26 x 53.1 x 14cm / 19 x 20.9 x 5.5"

Weight : 44kg / 97 lbs

Standard Charge/Discharge : 75A

Maximum Continuous Charge/Discharge : 100A

Peak Charge/Discharge : 150A (at 15s)

Round-Trip Efficiency : $\geq 95\%$

Communication Protocol : CAN/RS485

Cycle Life : ≥ 6000 cycles (@ 90%DOD)

Design Life 10 - 15 years

Operating Temperature $-10^{\circ}\text{C} \sim 55^{\circ}\text{C}$

Maximum Modules in Parallel Parallel up to 16 modules per string

Parallel up to 7 strings - Contact us.

Heating System Embedded Heating Included

Product Attributes

- Dimensions: 55 × 60 × 20 cm
- Weight: 44 kg

Product Gallery

