

HUB LuxPower Energy System for On-Grid or Off-Grid



Price: CAD \$14,725.00

SKU: HUBKIT-LXP12K-HUB48100

Product Categories: [Cabin Solar Power](#), [On The Roof](#), [Pop Picks For Homes](#), [Residential Solar](#)

Product Tags: [12kw](#), [20kwh](#), [bundle](#), [canada](#), [ess](#), [ess canada](#), [grid-tie solar](#), [hybrid inverter](#), [inverter and battery](#), [kit](#), [lfp](#), [luxpower](#), [lpx-lb-us 12k](#), [off-grid solar](#)

Product Page:

<https://www.modernoutpost.com/product/hub-luxpower-energy-system-for-on-grid-or-off-grid/>

Product Summary

This is a combination that is a great foundation for an off-grid home, or a grid-tied home with energy back-up. It's comprised of the popular LuxPower 12K hybrid inverter, and 15.6kWh of HUB Power's premium rack mount Lithium Iron Phosphate

battery storage. Just add solar!

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The LuxPower LXP-LB-US 12K Inverter

This impressive inverter has a wide range of features that enable both off-grid and grid-tied operation with ease. Three primary operating modes set the terms...

Self consumption mode

Solar energy is first used to carry the house load, and the remaining solar energy is used to charge the batteries. Once the battery charge parameters are met, the solar energy is exported to the grid.

Force charge and discharge mode

The inverter can charge or discharge the battery according to a schedule set by the user.

Charge first mode

Solar energy will first be used to charge the battery storage, then will be used to supply the home's loads, and finally fed into the grid. This mode is most suitable for areas with an unstable utility.

Program the inverter to meet your system needs including... - Battery for inverter have more Stronger UPS, max. 250A discharging current - 200A pass through relay to EPS, easy installation - Plug & Play, seamless switching under 20ms - Battery Inverter advanced parallel, up to 120kW - Host inverter automatically generated to manage entire system when parallel - Equipped with built-in circuit breakers, eliminating the need for additional installation - Enhanced visibility and user experience through a color LCD touch screen interface - AC coupling function - Separate generator interface - Battery

inverter work with utilities to intelligently manage the battery and save bills -
Optional 10 year warranty **For more information, see our dedicated**
[LuxPower inverter page](#)]

The HUB Power HUB-51.2V-100-LFP-RMH Rack Mount Energy Storage System

An impressive inverter platform deserves an equally impressive battery bank. HUB delivers a high-efficiency Lithium Iron Phosphate storage system with comprehensive certifications, testing, cell selection, and BMS. Add the fact that HUB is a Canadian company based in Burnaby, BC, and you have service peace of mind.

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.
Included : 2 battery units = 10,240Wh (expandable)

Included : Racking modules for building the battery units into a

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.

[Click here for complete details on this battery system](#)

Product Attributes

- Dimensions: 85 × 58 × 84 cm
- Weight: 143 kg

Product Gallery

48V 100AH



