

LVM2480

LFP Battery 24V 8kWh

The Levando battery module is a high-performance energy solution based on LiFePO₄ chemistry, entirely designed and assembled in Quebec to deliver unmatched reliability in the most demanding environments.



Self-Heating
-25 to 55°C discharge



8000+ cycles
15X longer lifespan than lead-acid



Balancing
Cell and BMS synchronization between batteries



Structural Enclosure
(No rackmount)
Robust enclosure for stationary and mobile applications



Built-in Wi-Fi and Bluetooth
Standard, without an external module



10-Year Warranty
4 years full coverage



Customizable Settings
Via the mobile app



Country of origin:
Canada
USMCA Status:
Certified originating



ELECTRICAL SPECIFICATIONS AND PERFORMANCE

Chemistry	LiFePO ₄ (Lithium Iron Phosphate)
Nominal Voltage	25.6 VDC (24V)
Nominal Energy	8.0 kWh (314 Ah)
Charge/Discharge Current	Standard version: 150A continuous HD version: 200A continuous
Lifespan	Over 8,000 cycles (15 to 20 years)
Energy Efficiency	Energy density of 148 Wh/kg or 244.5 Wh/L
Operating Temperature	-25 to 55°C discharge
Storage Temperature	-30 to 55°C (5 to 30°C recommended)



SUSTAINABLE ENERGY SOLUTIONS

DESIGN AND PHYSICAL SPECIFICATIONS

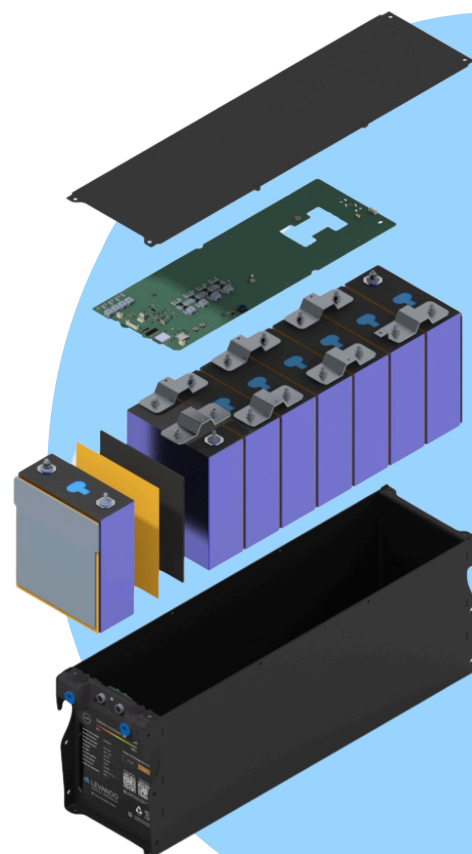
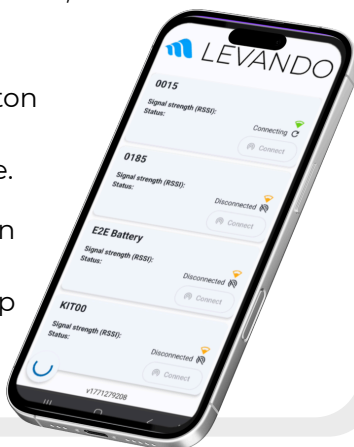
Casing	Made in Quebec from marine-grade aluminum-magnesium alloy, waterproof and dustproof (IP43 standard, IP66 optional) Designed for high-vibration environments and shocks, encapsulated cells
Dimensions	698 x 186 x 252 mm (27.5" x 7.3" x 9.9")
Weight	54 kg (120 lb)

WARRANTIES AND CERTIFICATIONS

Warranty	4-year warranty against defects and a 10-year limited performance warranty
Cell Certifications	UN 38.3, UL 1973, UL 1642, IEC 62619, UL 9540A Module designed in accordance with UL 1973 (certification pending)
Origin	100% designed and assembled in Quebec, Canada Country of Origin: Canada USMCA Status: Qualifying

CONNECTIVITY AND SOFTWARE SAFETY

Communication	Integrated Bluetooth and Wi-Fi with dedicated mobile application (iOS and Android)
Industrial Connectivity	IP67-rated M12 port for CAN bus (inverter), RS485, alarm signals, and generator auto-start
Monitoring	Real-time tracking with optional web portal for remote monitoring
Integrated Safety	Ultra-fast protection against short circuits, overvoltage, overloads, and extreme temperatures. Touch-sensitive button for safe deactivation during maintenance.
Discharge protection	Automatic shutdown when discharged, adjustable in the app (Black Start)





SUSTAINABLE ENERGY SOLUTIONS



INSTALLATION AND SYSTEMS

Installation	2/0 AWG electrical terminals (compatible with stranded/solid wires or busbars) with no crimping required. Safe installation, no specialized tools
Modularity	Supports series and parallel configurations for 24V and 48V systems (scalable to 360 kWh+ systems)
Compatibility	Seamless communication with industry-standard inverters. Custom programming available based on specific requirements
Support & Service	Full expert support from design to commissioning

LEVANDO ACCESSORIES

Busbars and communication



SIMON, RÉMI AND SÉBASTIEN
CO-FOUNDERS

ABOUT LEVANDO

Levando designs and manufactures ultra-safe modular battery systems for the residential, commercial, and marine markets. Driven by a team of experts in clean energy and technological innovation, the company is building a Quebec-based manufacturing chain to supply the North American market.

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