

Powerful Solutions Partner

Micropower Group is a complete system supplier of industrial Lithium-Ion batteries, battery chargers and power supplies. With own production and R&D, we take responsibilities for the whole chain where we develop, design, manufacture and supply battery and battery charging products and systems to customers and distributors worldwide.

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LIONBRIX SYSTEM

”The LIONBRIX System – flexible & fully integrated. State-Of-The-Art safety protocols and top quality requirements.”

COMPLETE & MODULAR  
LITHIUM ION BATTERY SYSTEM  
FOR MATERIAL HANDLING



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MICROPOWER GROUP™  
POWERFUL SOLUTIONS PARTNER

# LIONBRIX – THE MODULAR LI-ION CONCEPT

## Complete & Flexible Li-Ion Battery Systems For OEMs

LIONBRIX is the complete Li-Ion battery system which includes everything from battery charger, to modular Li-Ion batteries and management system for safety and communication. The system can reach voltage up to 1000V and capacity up to 700kWh.

### The Modular Li-Ion Battery System

LIONBRIX battery system is modular based and is fully integrated and optimized to meet the highest demand for the toughest applications. The battery modules are easy to handle and assembly into different battery sizes. The standardized battery modules are manufactured in automated industrial scale production lines.

### Complete & Fully Integrated

LIONBRIX is the system which can manage fast adjustments, high volumes and full integration. Micropower Group is well-known in the industry for competence within electronics and Lithium Ion battery technology and products of high quality which makes us the natural choice of supplier for large OEMs.

### BRIX Battery Modules

The flexible Li-ion modules BRIX comes in three different sizes; 105 Ah, 150 Ah and 210 Ah. The flexible Lithium-Ion battery modules BRIX come in three different sizes 103Ah, 148Ah and 205Ah. Our Certified LIONBRIX Partners combine the BRIX modules to ensure the right voltage and capability for each application.

- Voltage up to 1000V
- Capacity up to 700kWh



### cBRIX Battery Pack

cBRIX50 is a Lithium ion battery for 24V/48Ah systems with 1,2 kWh. The battery can be used as a stand-alone or fully machineintegrated through CAN-bus with Micropower's onboard or stationary battery charger. cBRIX50 can be parallel connected for double capacity.

- Compact and robust
- IP54 for demanding applications



### eBRIX Battery Management System

The integration of the components in the LIONBRIX system is handled by the eBRIX battery management system. eBRIX takes care of the cell module balancing as well as of monitoring, safety, calculation of state of charge, communication and data storage. The eBrix ensures minimum energy consumption and maximum life of the Lithium Ion battery.

- Available for 24V and 48V systems
- Includes eBRIX Lite BMS, Power Module Unit (PMU), cable set, push button



### LION Charger

The LION chargers are energy efficient high frequency chargers for any Li-Ion battery. The LION product range consist of both 1-phase and 3-phase charger up to 40 kW as well as onboard chargers with high IP classifications. The chargers can be assembled with several accessories to optimize usage in demanding applications.



**Introducing the most  
flexible Li-ion battery  
solution on the market**