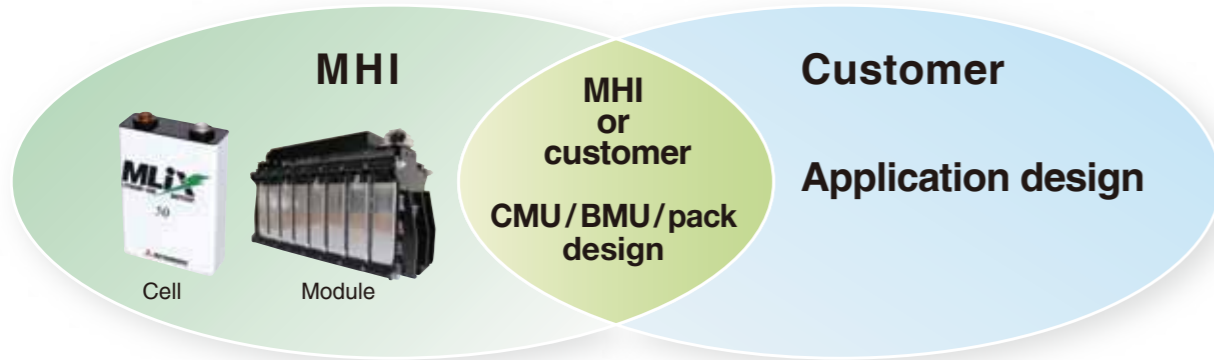




Supply models

MHI can provide not only the cells, but can provide a wide array of integration support to match the individual needs of the customer.



Applications

- Energy storage system
- Battery quick charger
- Mini EV cart
- Electric bus
- Automated guided vehicle
- Electric propelled ship etc.



JFE Engineering Corporation
Quick charger RAPIDAS



New Flyer Electric bus



Tsuneishi Facilities & Craft Co., Ltd.
Electric propulsion ship

Specifications

		8-cell module
Nominal capacity		50Ah
Nominal energy		1.48kWh
Nominal voltage		29.6V
Max. current	Continuous	100A (25°C)
	Instant	300A×10sec. (25°C)
Operational temperature range (charge)		0°C~50°C
Operational temperature range (discharge)		-20°C~50°C
Weight		Approx. 15kg
Size (W×D×H)		379mm ×137mm ×230mm

※ The above weight, and size includes CMU but excludes BMU.

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Mitsubishi Lithium-ion Battery Module

Since 1988, MHI has been working on the research and development of lithium-ion battery technology. As a leading company in energy technology, we provide clean and stable energy solutions with excellent long-term cost performance.

Structure & Advantages

Cell:
 Tight stacking of electrodes creates the high capacity of dense energy storage.



The above picture is 8-cell-vertical module.
(Possible to change the number of cells)

CMU (cell monitoring unit):
 Monitors the status of each cell

Uses

- Energy storage
- Social infrastructure
- Commuter and industrial vehicles
- Maritime applications

Advantages of MLiX module

- 1 Energy dense module comes with CMU installed
- 2 Many possible cell configurations (number of cells, vertical/horizontal)
- 3 Meets UN Recommendations and available for international shipment*

*8-cell module only