

METERBOOST

BATTERY FOR LIFE

2020 COMPANY PROFILE

MeterBoost Energy Storage Systems





METERBOOST
BATTERY FOR LIFE

Motivation and Inspiration
are key ingredients to develop
successful technological solutions



Founded in 2019 in Lisbon, MeterBoost wants to be a quality, competitive and original option in the energy storage market.

Being young in the market motivates us to innovate even more, working in a sustainable way in order to respond to the needs of our customers.

Meterboost designs, develops and produces complete lithium energy solutions, which have the latest technology, with integrated BMS, protection circuit and communication interface that optimize performance, useful life and cost, giving to customers an excellent competitive advantage.

The company presents some of its products, the highlight being the new 4.2kWh MB48LI82C Lithium battery with characteristics of a high quality product, produced to exceed customer expectations. With facilities in **Portugal**, Meterboost serves a wide range of market sectors, for many different types of applications.



METERBOOST

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Replacement Acid / Gel / AGM Batteries

Lithium Battery Without Communication

The **MB48LI** series are lithium batteries (NCM) with integrated BMS for use with an inverter or charger. All systems can be expanded in parallel at any time with the same battery modules.

This increases the maximum capacity of the system, demonstrates its flexibility and the excellent technology of the batteries shows its maximum potential.

Batteries with great versatility in the market being one of the best consumer choices. Discreet and compact design that meets customer needs, with quality and energy efficiency.

Technical Features

- Longer lifetime performance, more than 6000 cycles
- Modular design, 19 'rack system
- Flexible and personalized scalability
- Easy to install
- Up to 100 modules in parallel
- 10 years guarantee

Applications

- Residential installations (PV) for self-consumption and isolated systems
- Commercial or industrial installations
- Telecommunications industry as a Backup System
- Micro Grid
- Replacement Lead Acid / Gel / AGM Batteries



Battery designed for customers who need an affordable option for systems with **low energy requirements**.

Battery Model	MB48LI36
Battery Type	Li-Ion / NCM
Output Power	Max 1.8 kW/h
Usable Energy	1.60 kW/h
Nominal Voltage	51.8V
Energy Efficiency	>97%
BMS wit Equalization	Yes
Working Voltage	44.8V - 58.6V
Cominucation	No
Net Weight	12.3Kg
Dimension	W 482.5mm * D 398.5mm * H 88.9mm
Battery Cycle Life	6000 [100% DOD, +20°C, 80% left capacity]
Operating Temperature	0°C~+55°C
Storage Temperature	-20°C~55°C
IP Level	IP20
Maintenance	Charge the battery every 6 month if stored or disconnected
Scalability	Yes up to 100 modules in parallel
Warranty	10 years with recomendaded setup



Battery designed for customers who need an affordable option for systems with **common energy needs**.

Battery Model	MB48LI50
Battery Type	Li-Ion / NCM
Output Power	Max 2.4 kW/h
Usable Energy	2.15 kW/h
Nominal Voltage	51.8V
Energy Efficiency	>97%
BMS wit Equalization	Yes
Working Voltage	44.8V - 58.6V
Cominucation	No
Net Weight	16.5Kg
Dimension	W 482.5mm * D 398.5mm * H 88.9mm
Battery Cycle Life	6000 [100% DOD, +20°C, 80% left capacity]
Operating Temperature	0°C~+55°C
Storage Temperature	-20°C~55°C
IP Level	IP20
Maintenance	Charge the battery every 6 month if stored or disconnected
Scalability	Yes up to 100 modules in parallel
Warranty	10 years with recomend setup



Battery with **excellent performance at a competitive price.**
Capacity optimized for high residential consumption with a compact size.

Battery Model	MB48LI63
Battery Type	Li-Ion / NCM
Output Power	Max 3.3 kW/h
Usable Energy	3.05 kW/h
Nominal Voltage	51.8V
Energy Efficiency	>97%
BMS wit Equalization	Yes
Working Voltage	44.8V - 58.6V
Cominucation	No
Net Weight	18.9Kg
Dimension	W 482.5mm * D 498.5mm * H 88.9mm
Battery Cycle Life	6000 [100% DOD, +20°C, 80% left capacity]
Operating Temperature	0°C~+55°C
Storage Temperature	-20°C~55°C
IP Level	IP20
Maintenance	Charge the battery every 6 month if stored or disconnected
Scalability	Yes up to 100 modules in parallel
Warranty	10 years with recomend setup



Battery designed for high energy consumption demands with the same reliability and size.
More energy in the same space.

Battery Model	MB48LI82
Battery Type	Li-Ion / NCM
Output Power	Max 4.2 kW/h
Usable Energy	3.95 kW/h
Nominal Voltage	51.8V
Energy Efficiency	>97%
BMS wit Equalization	Yes
Working Voltage	44.8V - 58.6V
Cominucation	No
Net Weight	22.1Kg
Dimension	W 482.5mm * D 498.5mm * H 88.9mm
Battery Cycle Life	6000 [100% DOD, +20°C, 80% left capacity]
Operating Temperature	0°C~+55°C
Storage Temperature	-20°C~55°C
IP Level	IP20
Maintenance	Charge the battery every 6 month if stored or disconnected
Scalability	Yes up to 100 modules in parallel
Warranty	10 years with recomend setup

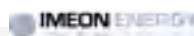


Compatible with new Generation Inverters

MB48LIC-SERIES

The **MB48LIC** battery is a lithium battery (NCM) with integrated BMS for active communication with the latest generation charger / inverter. The system can be expanded at any time with modules of the same serie capacity.

MB48LIC can be connected in parallel. This way it allows the customer to increase the maximum capacity when needed. It has the latest technology for energy management and allows the user to monitor energy consumption more efficiently.



Características

- Maior durabilidade mais de 6000 ciclos
- Design Modular, sistema de rack 19"
- Escalabilidade flexível e personalizada
- De fácil de instalação
- Até 20 módulos em paralelo
- 10 anos de garantia

Aplicações

- Instalações residenciais (PV) para autoconsumo e sistemas isolados
- Instalações comerciais ou industriais
- Indústria das telecomunicações como Sistema de Backup
- Micro Grid
- Smart Communication with latest generation inverters



Battery designed to customers who need an affordable option for systems with common energy needs.

Battery Model	MB48LI50C
Battery Type	Li-Ion / NCM
Output Power	Max 2.4 kW/h
Usable Energy	2.15 kW/h
Nominal Voltage	51.8V
Energy Efficiency	>97%
BMS wit Equalization	Yes
Working Voltage	44.8V - 58.6V
Cominucation	Yes
Net Weight	16.7Kg
Dimension	W 482.5mm * D 398.5mm * H 88.9mm
Battery Cycle Life	6000 [100% DOD, +20°C, 80% Left Capacity]
Operating Temperature	0°C~+55°C
Storage Temperature	-20°C~55°C
IP Level	IP20
Maintenance	Charge the battery every 6 month if stored or disconnected
Scalability	Yes up to 20 modules in parallel
Warranty	10 years with recomend setup



Battery with excellent performance at a **competitive price**.
Capacity optimized for high residential consumption with a compact size.

Battery Model	MB48LI63C
Battery Type	Li-Ion / NCM
Output Power	Max 3.3 kW/h
Usable Energy	3.05 kW/h
Nominal Voltage	51.8V
Energy Efficiency	>97%
BMS wit Equalization	Yes
Working Voltage	44.8V - 58.6V
Cominucation	Yes
Net Weight	20.9Kg
Dimension	W 482.5mm * D 498.5mm * H 88.9mm
Battery Cycle Life	6000 [100% DOD, +20°C, 80% Left Capacity]
Operating Temperature	0°C~+55°C
Storage Temperature	-20°C~55°C
IP Level	IP20
Maintenance	Charge the battery every 6 month if stored or disconnected
Scalability	Yes up to 20 modules in parallel
Warranty	10 years with recomend setup



Battery designed to respond to high energy consumption with the same reliability and size.
More energy in the same space.

Battery Model	MB48LI82C
Battery Type	Li-Ion / NCM
Output Power	Max 4.2 kW/h
Usable Energy	3.95 kW/h
Nominal Voltage	51.8V
Energy Efficiency	>97%
BMS wit Equalization	Yes
Working Voltage	44.8V - 58.6V
Cominucation	Yes
Net Weight	22.1 Kg
Dimension	W 482.5mm * D 498.5mm * H 88.9mm
Battery Cycle Life	6000 [100% DOD, +20°C, 80% Left Capacity]
Operating Temperature	0°C~+55°C
Storage Temperature	-20°C~55°C
IP Level	IP20
Maintenance	Charge the battery every 6 month if stored or disconnected
Scalability	Yes up to 20 modules in parallel
Warranty	10 years with recomendaded setup

NEW MBHV-SERIES

Available in July 2020

High Voltage Battery

The **MBHV** is a high voltage lithium battery with integrated BMS to use with the latest generation charger or inverter.

The system can be expanded at any time by modules of the same series up to a maximum of 8 per system (maximum of 1000v).

MBHV modules must be connected in serie in order to optimize power and minimize energy loss.

The **MBHV** battery guarantees maximum efficiency and high energy use without taking up more space with a compact and discreet design.



Battery Model	MBHV115LI30C
Battery Type	Li-Ion / NCM
Output Power	Max 3.45 kW/h
Usable Energy	3.28 kW/h
Nominal Voltage	115.2V
Energy Efficiency	>98%
BMS wit Equalization	Yes
Working Voltage	102.4V - 132.8V
Cominucation	Yes
Net Weight	21.7 Kg
Dimension	W 482.5mm * D 498.5mm * H 88.9mm
Battery Cycle Life	6000 [100% DOD, +20°C, 80% Left Capacity]
Operating Temperature	0°C~+55°C
Storage Temperature	-20°C~55°C
IP Level	IP20
Maintenance	Charge the battery every 6 month if stored or disconnected
Scalability	Yes up to 8 modules in parallel
Warranty	10 years with recomend setup



Battery Model	MBHV115LI60C
Battery Type	Li-Ion / NCM
Output Power	Max 6.95 kW/h
Usable Energy	6.38 kW/h
Nominal Voltage	115.2V
Energy Efficiency	>98%
BMS wit Equalization	Yes
Working Voltage	102.4V - 132.8V
Cominucation	Yes
Net Weight	40.9 Kg
Dimension	W 482.5mm * D 498.5mm * H 115.9mm
Battery Cycle Life	6000 [100% DOD, +20°C, 80% Left Capacity]
Operating Temperature	0°C~+55°C
Storage Temperature	-20°C~55°C
IP Level	IP20
Maintenance	Charge the battery every 6 month if stored or disconnected
Scalability	Yes up to 8 modules in parallel
Warranty	10 years with recomended setup