



new



MBEH-BA-150



MBEH-IV-60H

Lithium-ion battery storage system

The storage of energy is one of the key subjects of the future. Mercedes-Benz Energy Storage offers a solution to save resources and to reliably manage energy and provide a more independent and efficient source to better buffer peaks in energy demand.

Mercedes-Benz Energy Storage batteries are Lithium-ion, developed for challenging applications in vehicles, complying to strictest safety and quality requirements and the same type of batteries used in their electric cars.

The Energy Storage system is modular and offers a starting storage capacity of 2.5 kWh per module. Up to eight battery modules can be combined to form an energy storage space of up to 20 kWh of clean energy and can be either floor standing or wall mounted.

Advantages of Mercedes-Benz energy storage at a glance:

- Made in Germany in Mercedes-Benz quality
- Exceptionally safe, reliable Lithium-ion technology with a very long service life
- Individually customisable configuration (*modular system structure 2.5 - 20 kWh*)
- Long operational lifetime - expected no. of cycles: 8.000
- High efficiency - 97% round cycle
- 10 year replacement value guarantee

type	rated kWh	operating voltage	efficiency (round cycle)	description
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Battery module stackable on top of one another to increase capacity

- Compact dimensions: (H) 430 x (W) 470 x (D) 290 mm - weight: 32kg

MBEH-BA-150	2.5 kWh	48 VDC	97%	Lithium-ion battery module
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Above battery modules can be stacked to increase overall battery capacity.

The system is completed by adding the top cover and base for either floor standing or for wall mounting

Accessories for above battery module

MBEH-TP-150	top cover	for battery modules (<i>one required for 1-4 stacked modules</i>)		
MBEH-FO-150	base	for floor standing battery modules (<i>for 1-4 stacked modules</i>)		
MBEH-BO-150	base	for wall mounting battery modules (<i>for 1-4 stacked modules</i>)		

Mounting brackets

MBEH-S2-150	mounting	floor standing bracket kit	for 2 battery modules
MBEH-S3-150	mounting	floor standing bracket kit	for 3 battery modules
MBEH-S4-150	mounting	floor standing bracket kit	for 4 battery modules
MBEH-W2-150	mounting	wall mounting bracket kit	for 2 battery modules
MBEH-W3-150	mounting	wall mounting bracket kit	for 3 battery modules
MBEH-W4-150	mounting	wall mounting bracket kit	for 4 battery modules

Inverter/battery chargers for above batteries

The perfect product solution for stand-alone and grid-connected systems, a core element in flexible storage systems, storing generated solar power to manage energy consumption intelligently.

High protection class, wide temperature range and overload capacity, provide the reliability required for off-grid use.

Energy storage can be configured to ensure actual demand is met and forecast-based charging of the Mercedes-Benz energy storage system ensures optimum use of excess PV power.

type	AC power at 25°C	AC voltage	max. efficiency	description
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- Can be retrofitted for single and three-phase systems

MBEH-IV-60H	6.0 kW	230 VAC	95.8%	inverter/battery charger
MBEH-IV-80H	8.0 kW	230 VAC	95.8%	inverter/battery charger

Accessories for SMA inverters

MBEH-RC-SMA	sunny remote control for SMA inverter
MBEH-HM-SMA	sunny home manager for SMA inverter
MBEH-EM-SMA	sunny energy meter for SMA inverter
MBEH-SW-SMA	sunny speed wire for SMA inverter