

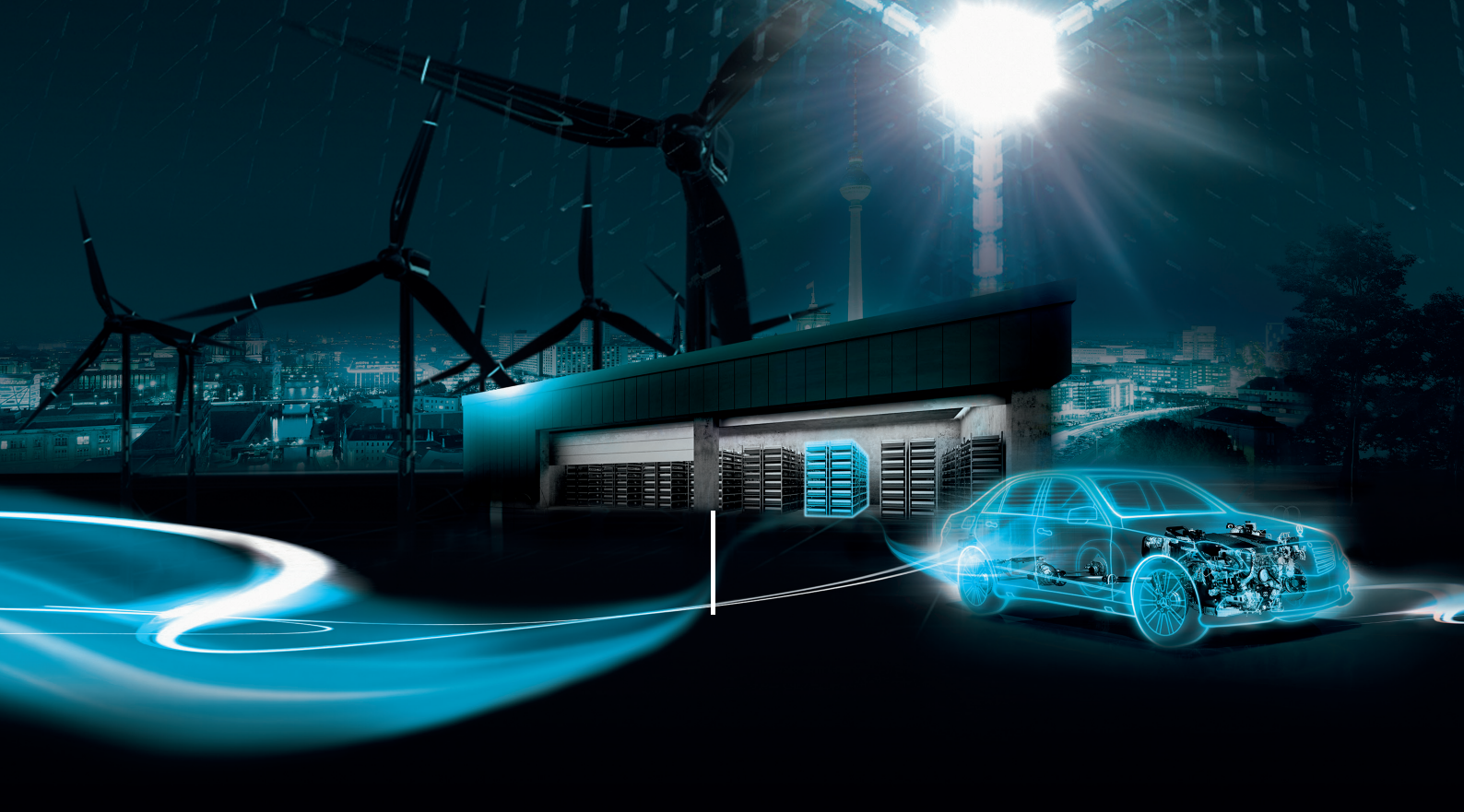


# Mercedes-Benz Energy Storage.

A key component for large-scale energy storage solutions.

Mercedes-Benz





# A new dimension of energy management.

## Top quality.

The Mercedes-Benz battery is one of the most efficient in its class. It's an automotive battery made under the highest quality and safety specifications possible (TS 16949) and originates from the same production line as batteries used in Mercedes-Benz Plug-In Hybrid vehicles.

## Powerful.

What the battery is capable of doing in the vehicle it can do for energy storage as well. The Mercedes-Benz battery is capable of charge and discharge rates up to 4 C. Scalable components with integrated cooling allow for storage capacities starting at 100 kWh up to 100 MWh.

## Adding more value. 2nd life.

Our high performance battery pack is extraordinarily well suited for a second life after its use in automotive applications. In the future, it will increasingly serve a useful second purpose in stationary power storage systems upon customer request. With the growing number of batteries returning from the automotive market, this is yet another attractive product line being developed by Mercedes-Benz Energy.

Together with its partners, Mercedes-Benz Energy develops such systems as for black start, back-up, UPS and off-grid applications.



High performance standards achievable (up to 4 C)



Safe and long-lasting lithium-ion technology (TS 16949)



Individually scalable (modular system structure)



Integrated battery cooling possible



"Made in Germany" to Mercedes-Benz standards

# Multiple applications.



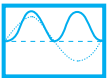
## Back-up power. UPS. Black start.

If your primary concern is not the cost of energy but rather having a reliable supply, then the energy storage system is your safeguard. Your back-up. Your emergency power system. Your UPS. A black start function can be integrated upon request.



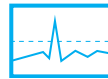
## Off-grid.

Mercedes-Benz Energy Storage systems can be used in conjunction with a solar or wind power system to provide you with a reliable energy supply without being connected to the grid.



## Optimal power quality.

Optimal power quality and perfect network conformity - Mercedes-Benz Energy Storage makes power factor correction and reactive power compensation possible.



## Peak load management.

Peak loads and large fluctuations in consumption often drive up energy costs unnecessarily high. However, if you use a storage system, you will use significantly less electricity from the grid during peak periods, and will instead use cheaper energy that has already been stored.



## Operating reserve and grid stability.

Another possible application is to sell the battery storage on the operating reserve market. This offsets imbalances between power generation and consumption in the grid.

# The battery.

A key component for your energy storage solution.



## Technical data

Number of cells	100
Number of modules	2
Nom./max. voltage	365 V DC / 420 V DC
Nominal capacity	37.8 Ah
Energy content	13.8 kWh
Power	45 kW (continuous), 90 kW
Dimensions (W x D x H) in mm	900 x 480 x 200 mm
Weight	110 kg

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