



# Mercedes-Benz Energy Storage Home.

The best energy storage solution for your home.

Mercedes-Benz



# Mercedes-Benz Energy Storage Home



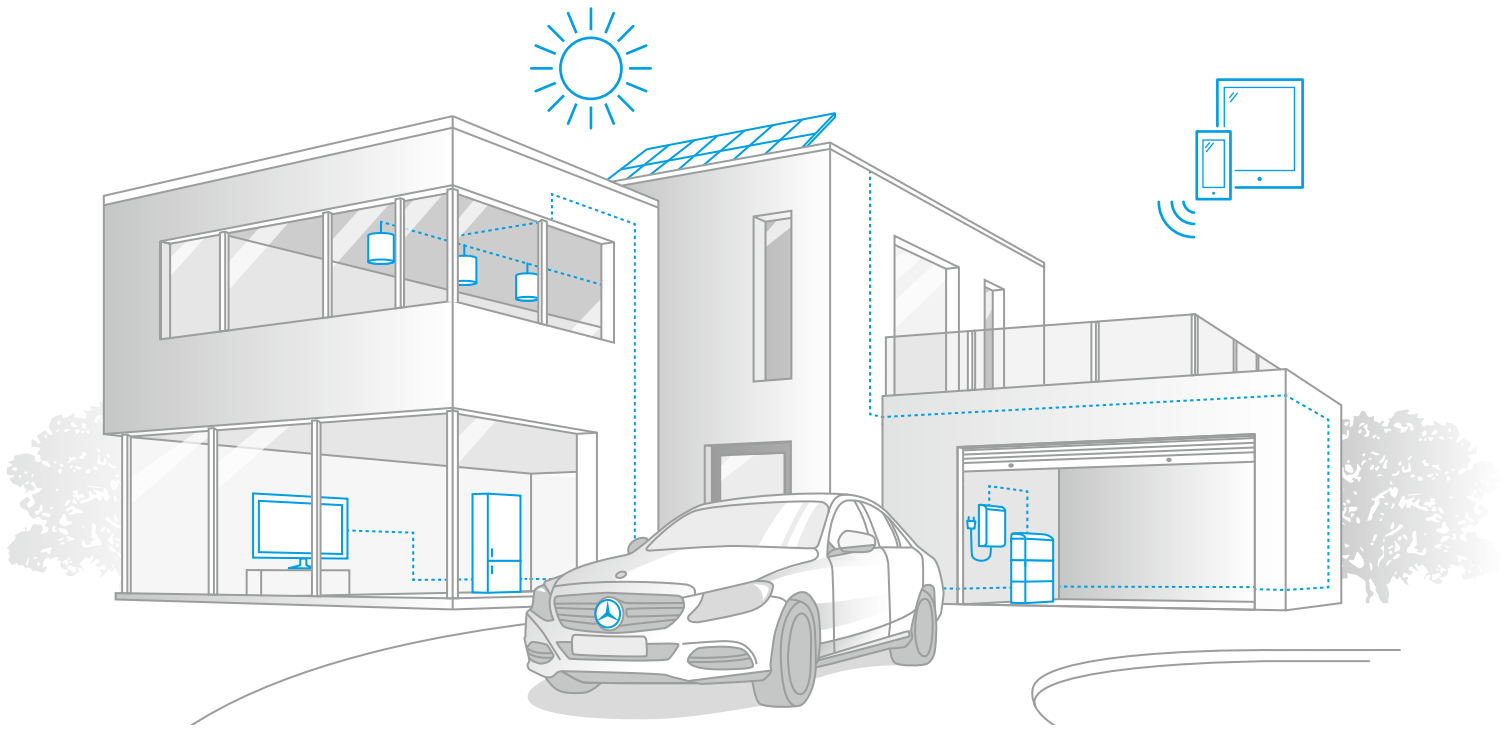
Mercedes-Benz Energy Storage Home stores solar energy for you to use at any time of the day or night. When the grid goes down, you can also enjoy peace of mind with clean, reliable backup power that is there when you need it.

## Modular & Customizable

Mercedes-Benz Energy Storage Home is highly modular and can be customized to perfectly meet the needs of any home. With compact building blocks, your system can be sized in 2.5 kWh increments up to 20 kWh.

Precisely configured systems mean you do not need to purchase unnecessary storage capacity. The flexible nature of Mercedes-Benz Energy Storage Home also allows it to be installed as a floor-standing or wall-mounted system.





# Optimize clean energy at home

You can count on Mercedes-Benz Energy Storage Home. Our storage systems are made in Germany to the highest safety and quality standards, using the same exact batteries that are in Mercedes-Benz electric and plug-in hybrid vehicles with our proprietary advanced battery management system. It also comes with an industry leading warranty covering 80% of battery capacity after 10 years of daily cycling.



## Solar Self-Consumption

The extra electricity generated from a home solar system is typically exported to the grid. However, most homes use a significant amount of electricity in the evening, after their solar systems stop producing for the day. With Mercedes-Benz Energy Storage Home, excess power is stored and more clean energy can be used on-site even when the sun is not shining.



## Optimize Energy Use

Mercedes-Benz Energy Storage Home is highly cost-effective and allows you to get the most out of your investment in solar PV. With solar plus storage, you have protection against rising costs from Time-of-Use (TOU) rates and can avoid buying power from the grid when prices are high. Solar cannot reduce the amount of demand from a house after the sun goes down without the help of energy storage.



## Clean Backup Power

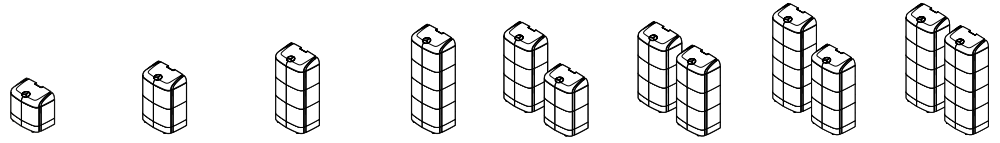
Backup power is a key benefit of Mercedes-Benz Energy Storage Home. Solar systems alone cannot be used when the grid goes down. With our solution, you can use your solar power when there is an outage, and have backup power that recharges every day. With sustainable backup power, you rely less on the grid and have an eco-friendly alternative to a fossil fuel burning generator.



## EV Charging

Drivers of electric and plug-in hybrid vehicles often charge their cars at night, after solar systems have stopped producing for the day. With Mercedes-Benz Energy Storage Home, you can charge your car with self-produced clean energy at any time of the day or night. Home storage not only reduces your carbon footprint, it helps alleviate stress on the grid from EVs and overall reliance on fossil fuels.

## Technical specifications



Nominal capacity (kWh)	2.5	5.0	7.5	10.0	12.5	15.0	17.5	20.0
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### General information

Stand-mounted dimensions (W/H/D) in inches	18.5/16.5/11.4	18.5/26.4/11.4	18.5/36.2/11.4	18.5/46.1/11.4	56.7/46.1/11.4	56.7/46.1/11.4	56.7/46.1/11.4	56.7/46.1/11.4
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Wall-mounted dimensions (W/H/D) in inches	18.5/16.9/11.4	18.5/26.8/11.4	18.5/36.6/11.4	18.5/46.5/11.4	56.7/46.5/11.4	56.7/46.5/11.4	56.7/46.5/11.4	56.7/46.5/11.4
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Stand-mounted weight, incl. accessories (70.5 lbs heaviest component)	82 lbs	152 lbs	223 lbs	293 lbs	375 lbs	445 lbs	516 lbs	586 lbs
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Wall-mounted weight, incl. accessories (70.5 lbs heaviest component)	77 lbs	148 lbs	218 lbs	289 lbs	366 lbs	437 lbs	507 lbs	578 lbs
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Installation type	Stand- or wall-mounted							
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AC/DC-coupled	Compatible (See System Specifications)							
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Single or Split Phase	Compatible (See System Specifications)							
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Protection class	IP20							
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Temperature, Charge/Discharge Recommended Limits	42.8 °F (6 °C) – 104 °F (40 °C)							
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Temperature, Charge/Discharge Absolute High Limit	125.6 °F (52 °C)							
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Certifications	UL 1973 (listed), FCC Part 15 Class B							
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Warranty	10 years							
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### Battery data

Number of energy storage modules	1	2	3	4	5	6	7	8
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Usable energy content	2.3 kWh	4.6 kWh	6.9 kWh	9.2 kWh	11.5 kWh	13.8 kWh	15.6 kWh	18 kWh
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Nominal voltage	48 V <sub>DC</sub>							
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Operating voltage range	43 – 53.4 V <sub>DC</sub>							
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Power, DC, Nominal <sup>†</sup>	1.2 kW	2.4 kW	3.6 kW	4.8 kW	6.0 kW <sup>†</sup>	7.2 kW <sup>†</sup>	8.4 kW <sup>†</sup>	9.6 kW <sup>†</sup>
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Current, Max Continuous	25 A	50 A	75 A	100 A	125 A <sup>†</sup>	150 A <sup>†</sup>	175 A <sup>†</sup>	200 A <sup>†</sup>
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Current, Max <10 seconds	30 A for any one module							
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Current, Max <1 second	60 A for any one module							
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Current, Max instantaneous	90 A for any one module							
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Cell technology	Lithium-ion NMC (nickel, manganese, cobalt)							
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<sup>†</sup>Instantaneous available power is temperature and SOC dependent  
<sup>†</sup>May be limited by inverter specifications

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A Daimler Company

To learn more about the technology behind Mercedes-Benz Energy Storage Home, visit [www.mercedes-benz-energy.com](http://www.mercedes-benz-energy.com)

To request additional system-level specifications, please contact us at [energystorage-americas@daimler.com](mailto:energystorage-americas@daimler.com)