



Mercedes-Benz Energy Storage Home

Mercedes-Benz



Technical specifications



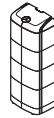
2.5



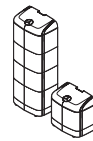
5.0



7.5



10.0



12.5



15.0



17.5



20.0

General information

Stand-mounted dimensions (W/H/D) in cm	47/42/29	47/67/29	47/92/29	47/117/29	144/117/29	144/117/29	144/117/29	144/117/29
Stand-mounted dimensions (W/H/D) in inch	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
Wall-mounted dimensions (W/H/D) in cm	47/43/29	47/68/29	47/93/29	47/118/29	144/118/29	144/118/29	144/118/29	144/118/29
Wall-mounted dimensions (W/H/D) in inch	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
Stand-mounted weight, incl. accessories (32 kg/70.5 lb heaviest handling group)	ca. 37 kg ca. 81.6 lb	ca. 69 kg ca. 152.1 lb	ca. 101 kg ca. 222.7 lb	ca. 133 kg ca. 293.2 lb	ca. 170 kg ca. 374.8 lb	ca. 202 kg ca. 445.3 lb	ca. 234 kg ca. 515.9 lb	ca. 266 kg ca. 586.4 lb
Wall-mounted weight, incl. accessories (32 kg/70.5 lb heaviest handling group)	ca. 35 kg ca. 77.1 lb	ca. 67 kg ca. 147.7 lb	ca. 99 kg ca. 218.2 lb	ca. 131 kg ca. 288.8 lb	ca. 166 kg ca. 365.9 lb	ca. 198 kg ca. 436.5 lb	ca. 230 kg ca. 507.1 lb	ca. 262 kg ca. 577.6 lb
Installation type	Stand- or wall-mounted							
Permissible network configuration	IT							
AC/DC-coupled	Possible (system-dependent)							
1- or 3-phase	Possible (system-dependent)							
Protection class	IP20							
Ambient temperature	+6°C to +44°C/42.8 °F to 111.2 °F							

Battery data

Number of energy storage modules	1	2	3	4	5	6	7	8
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
Expected number of cycles	8,000 (80% DoD/0,5C)							
Expected residual capacity after 10 years	> 80%							
Operating voltage range	39.7V to 54 V							
Cell technology	Lithium-ion (nickel, manganese, cobalt)							
Continuous battery power	~1.25 kW	~2.5 kW	~3.75 kW	~4.6 kW	~4.6 kW	~4.6 kW	~4.6 kW	~4.6 kW
System efficiency	97% round cycle							
Warranty	10-year current value replacement guarantee							

Compatible inverter

SMA Sunny Island 3.0 M/4.4 M/6.0 H/8.0 H

Standards

2006/66/EG (BattG), 2011/65/EU (RoHS), EMC Directive 2014/30/EU, Low-Voltage Directive 2014/35/EU, Security Guide 2014 – Li-Ion domestic storage (from BSW, BVES, DGS, StoREgio and ZVEH), ProdHaftG, ProdSG, harmonised standards and valid transport and packaging regulations

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