

AEG

STACKABLE HIGH VOLTAGE BATTERY SYSTEM AS-BSH08 SERIES

CHARACTERISTICS

Modular system for energy storage
Nominal capacity: 7.6 kWh - 20 kWh
High voltage battery
Designed for connection with AEG hybrid inverters:
Product Name Code (PNC): AS-BSH08-7.6K |
AS-BSH08-10.2K | AS-BSH08-12.8K | AS-BSH08-15.3K
| AS-BSH08-17.9K | AS-BSH08-20.4K



**EXTRA PEACE OF MIND:
10 YEARS PRODUCT
WARRANTY**

ADVANTAGES

FLEXIBLE

- Modular design with plug-in connections
- Quick connections between battery and inverter
- Quick & easy-to-install with basic tools
- Solid design

RELIABLE

- IP65 rated design
- Cell-level monitoring
- LFP safe technology
- All-round BMS protection

USER-FRIENDLY

- Stackable and Expandable up to 81.92 kWh (supporting 8 modules per unit, 4 units in parallel)
- Multi-use applications: self-consumption, time of use tariffs, customisation

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Technical Datasheet

AS-BSH08-7.6K

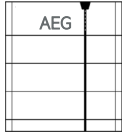
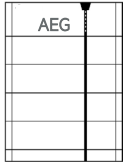
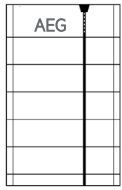
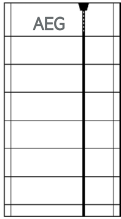
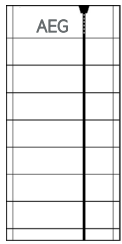
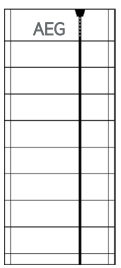
AS-BSH08-10.2K

AS-BSH08-12.8K

AS-BSH08-15.3K

AS-BSH08-17.9K

AS-BSH08-20.4K

System Data	Battery designation						
	Battery module	AS-BMH-08-256					
	Cell type	LiFePO ₄					
	Module quantity	3	4	5	6	7	8
	Rated capacity	50 Ah					
	Nominal energy ¹	7.68 kWh	10.24 kWh	12.8 kWh	15.36 kWh	17.92 kWh	20.48 kWh
	Usable energy ²	6.91 kWh	9.21 kWh	11.52 kWh	13.82 kWh	16.12 kWh	18.43 kWh
	Nominal voltage	153.6 V	204.8 V	256 V	307.2 V	358.4 V	409.6 V
	Operating voltage range	120 V ~ 175.2 V	160 V ~ 233.6 V	200 V ~ 292 V	240 V ~ 350.4 V	280 V ~ 408.8 V	320 V ~ 467.2 V
	Max.charging current	25 A					
	Max.discharging current	30 A					
	Rated charging / discharging power	3.84kW	5.12 kW	6.40 kW	7.68 kW	8.86 kW	10.24 kW
	Max.charging power	3.84kW	5.12 kW	6.40 kW	7.68 kW	8.86 kW	10.24 kW
	Max.discharging power	4.61 kW	6.14 kW	7.68 kW	9.22 kW	10.75 kW	12.29 kW
General Data	Dimensions (W * D * H)	540*390*600 mm	540*390*730 mm	540*390*860 mm	540*390*990 mm	540*390*1120 mm	540*390*1250 mm
	Weight	106.5 kg	137 kg	167.5 kg	198 kg	228.5 kg	259 kg
	Battery module weight	30.5 kg					
	Installation location	Indoor / Outdoor					
	Mounting method	Floor mounted					
	Operating temperature range	Charge: 0 ~ 50 °C Discharge: -20 °C ~ 50 °C					
	Storage temperature range	-20 °C ~ 45 °C					
	Cooling concept	Natural convection					
	Degree of protection	IP65					
	Relative humidity	5 ~ 95 %, non - condensing					
	Communication	CAN					
Certification	IEC 62619 / EN 61000 IEC 62040 / UN38.3						
Life cycle ³	6000 times						
Protection	Charging over-voltage protection, discharging under-voltage protection, over-current protection, over-temperature protection, short-circuit protection, built-in fire suppression ⁴ , etc						
Round-trip efficiency	≥95%						

1. Nomiminal energy is defined under the following conditions: cell voltage 2.5-3.65V, 0.5C charge & discharge at +25°C.

2. Usable energy is defined under the following conditions: 0.5C charge & discharge at +25°C, 90% DOD.
Usable energy may vary depending on discharge, charge, environmental conditions and SOC % limits defined by the user.

3. Life cycle is defined under the following conditions: 0.5C charge & discharge at +25°C, 9 0% DOD, 70% EOL.

4. Available with or without built-in fire suppression functionality, this feature was released.

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