

AEG

STACKABLE LOW VOLTAGE BATTERY SYSTEM AS-BSL08 SERIES



CHARACTERISTICS

Modular system for energy storage
Nominal capacity: 5.1 kWh - 20.4 kWh
Low voltage battery
Designed for connection with AEG hybrid inverters:
Product Name Code (PNC): AS-BSL08-5.1K |
AS-BSL08-10.2K | AS-BSL08-15.3K | AS-BSL08-20.4K
Battery Accessories: AS-BAB08-L
(AEG Low Voltage Stackable Battery Base plate)



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

ADVANTAGES

FLEXIBLE

- Low self and standby consumption
- Enhanced SOC measurement accuracy for optimal battery management
- Supports up to 1C charge / discharge rate


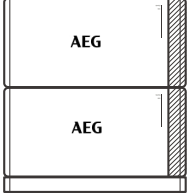
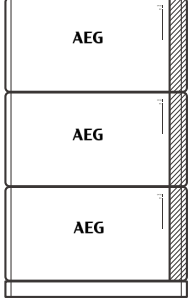
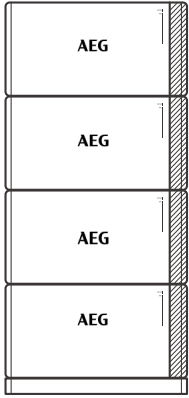
RELIABLE

- IP65 rated design for Indoor and outdoor use
- Designed in accordance with global safety standards
- Integrated Fire suppression system
- Smarter and safer BMS for precise diagnostics
- Integrated MOSFET and dual fuse protection for superior safety and reliability

USER-FRIENDLY

- Stackable and Expandable up to 20.48 kWh (supporting upto 4 modules)
- Elegant design with concealed cable management
- Compact, lightweight modules for easier handling and installation

Technical Datasheet

Battery module	AS-BML08-5.1K				
	AS-BSL08-5.1K	AS-BSL08-10.2K	AS-BSL08-15.3K	AS-BSL08-20.4K	
Module number					
Cell type	LiFePO4				
Rated capacity	100 Ah				
Nominal energy ¹	5.12 kWh	10.24 kWh	15.36 kWh	20.48 kWh	
Usable energy ²	4.86 kWh	9.72 kWh	14.59 kWh	19.45 kWh	
Nominal battery voltage	51.2 V				
Battery voltage range	40 V ~ 58.4 V				
Recommended charge / discharge current	60 A	120 A	180 A	210 A	
Max. charge / discharge current	100 A	200 A	210 A	210 A	
Rated charge / discharge power	3.07 kW	6.14 kW	9.22 kW	10.75 kW	
Max. charge / discharge power	5.12 kW	10.24 kW	10.75 kW	10.75 kW	
General Data	Dimensions (W * D * H)	630 * 185 * 320 mm	630 * 185 * 640 mm	630 * 185 * 960 mm	630 * 185 * 1280 mm
	Module weight	46.0 kg	92.0 kg	138.0 kg	184.0 kg
	Base weight	2.6 kg			
	Installation location	Indoor / Outdoor			
	Mounting method	Floor mounted / Wall mounted			
	Operating temperature range	Charging: -8°C ~ 58°C Discharging: -18°C ~ 58°C			
	Storage temperature range	-20°C ~ 60°C			
	Cooling concept	Natural convection			
	Protective class	II			
	Degree of protection	IP66			
	Relative humidity	5% ~ 95% RH, non-condensing			
	Max. operating altitude	4000 m (> 3000 m derating)			
	Communication	CAN			
	Certification	IEC 62619, IEC 62040, IEC 62477, IEC 63056, IEC 61000			
	Life cycle ³	6000 times			
	Round-trip efficiency	≥ 95 %			

1. Nominal energy is defined under the following conditions: battery voltage 40 ~ 58.4V, 0.5C charge & discharge at +25 °C

2. Usable energy is defined under the following conditions: 0.5C charge & discharge at +25°C, 95 % DOD

3. Life cycle is defined under the following conditions: 0.5C charge & discharge at 25 °C (One cycle a day) 90 % DOD, 70 % EOL

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