

AEG



STACKABLE ALL-IN-ONE ENERGY STORAGE SYSTEM AS-BSH08 SERIES

CHARACTERISTICS

All-in-one: Inverter + High voltage battery system
Battery rated energy: 10.6kWh - 26.5kWh
Inverter output power range: 6.6kVA - 16.5kVA
Three-phase, 2 MPPT, High voltage
Product Name Code (PNC): AS-BMH08-5.0K |
AS-ICH08-A-2 | AS-BSH08C-6.0K-2 |
AS-BSH08C-9.0K-2 | AS-BSH08C-12.0K-2 |
AS-BSH08C-15.0K-2



**EXTRA PEACE OF MIND:
UNLIMITED CYCLES ^[*]**

ADVANTAGES

FLEXIBLE

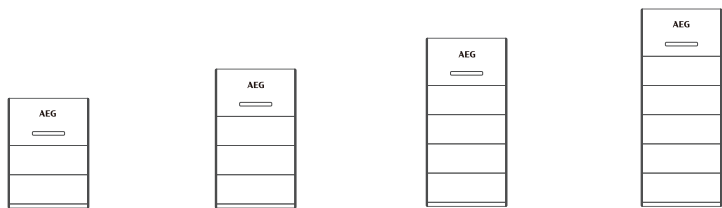
- 160% overload capacity, 150% instant off-grid overload
- Stackable design for 10-25kWh capacity flexibility
- Three-phase unbalanced output for max. PV utilization
- Automotive-grade BMS for efficient energy management

RELIABLE

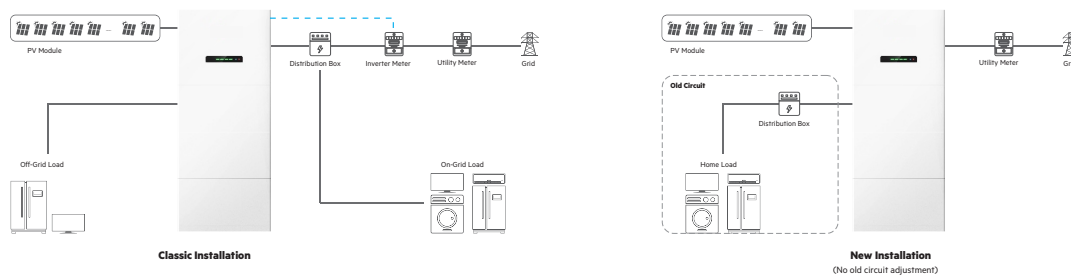
- IP67 rated ingress protection
- Type II DC / AC surge protection
- Smoke detection, active pressure relief
- UPS-grade seamless on/off-grid switching
- 300m AFCI detection with 0.5s rapid shutdown

USER-FRIENDLY

- No meter/CT or additional accessories
- AI-powered cloud with 24/7 alerts and optimization
- No electrical system modifications needed
- Intelligent control for generators and heat pumps



Product Model	AS-BSH08C-6K-2		AS-BSH08C-9K-2		AS-BSH08C-12K-2		AS-BSH08C-15K-2	
System								
Hybrid Inverter (AS-ICH08-A-2)					1			
Battery Module (AS-BMH08-5K)	2		3		4		5	
Base (AS-BMH08-BP)					1			
PV Data								
Max. Input Power (max input power of each string)	160% Rated Total 9,600W(each string≤8,000W)		160% Rated Total 14,400W(each string≤8,000W)		160% Rated Total 19,200W(each string≤8,000W)		160% Rated Total 24,000W(each string≤8,000W)	
Max. Input Voltage					1,000V			
MPPT Operating Voltage Range					140 - 980V			
Start-Up Voltage					160V			
Max. Input Current					20A / 40A			
Max. Short Circuit Current					25A / 50A			
Number of MPPT					2			
PV Input Number (Number of String Per MPPT)					3 (1 / 2)			
AC Data								
Grid Type					3/N/PE, 220V/380V, 230V/400V, 240V/415V			
Nominal Frequency					50Hz / 60Hz			
Max. Passthrough Current					63A per phase			
Max. Apparent Power Output to Utility	6.6kVA		9.9kVA		13.2kVA		16.5kVA	
Output Power Factor					0.8 leading ... 0.8 lagging			
THDi					<3%			
Backup								
Max. Continuous Output Power	6.6kW		9.9kW		13.2kW		16.5kW	
Peak Output Power (with PV)	150% Rated 9.0kW, 10s		150% Rated 13.5kW, 10s		150% Rated 18.0kW, 10s		150% Rated 22.5kW, 10s	
Switch Time					< 10ms			
Battery								
Battery Type					LiFePO4			
Total Battery Capacity	10.6kWh		15.9kWh		21.2kWh		26.5kWh	
General								
Operating Temperature Range (Inverter)					-30~ +60 °C			
Operating Temperature Range (Battery)					-10~ +50 °C			
Cooling Method					Natural Cooling			
Ingress Protection					IP66			
Dimensions (W*H*D)	700*1320*200mm		700*1670*200mm		700*2020*200mm		700*2370*200mm	
Weight	155kg		205kg		255kg		305kg	
Max. Operating Altitude					4,000m			
User Interface					LED / App / Web			
Communication					CAN / RS485 / WIFI / 4G / LAN / PLC			



For the full Warranty Terms please visit www.aeg-solar.com
 * The Cumulative Discharging Energy Throughout Energy for single battery is 18.3 MWh in 10years (EOL 70%).
 Design and specifications are subject to change without notice.
 Dimensions in the technical picture are expressed in mm with tolerance ± 2 mm (± 0.079 ").
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