

AEG



AC COUPLED PLUG-IN BATTERY SYSTEM

CHARACTERISTICS

Applicable for residential application
Low voltage energy storage system
Battery rated capacity: 4.8kWh/ 100Ah
Designed for seamless home integration
Product name code (PNC): AS-BBL09-4.8K

ADVANTAGES

FLEXIBLE

RELIABLE

- IP65 rated design for indoor and outdoor use
- Maximum efficiency with flexible energy management system
- Module level BMS + internal fire extinguishing kit
- Bi-directional AC-coupled energy storage system

USER-FRIENDLY

- Up to 6000 cycle life
- Effortless plug-and-play installation
- Fully integrated AC-coupled storage system
- Supports dynamic pricing



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

AEG

PRODUCT SERIES	
AEG AC COUPLED PLUG-IN BATTERY SYSTEM	
AEG AC COUPLED PLUG-IN BATTERY SYSTEM/ BATTERY CONTROL MODULE	
AEG AC COUPLED PLUG-IN BATTERY SYSTEM/ BATTERY POWER MODULE	

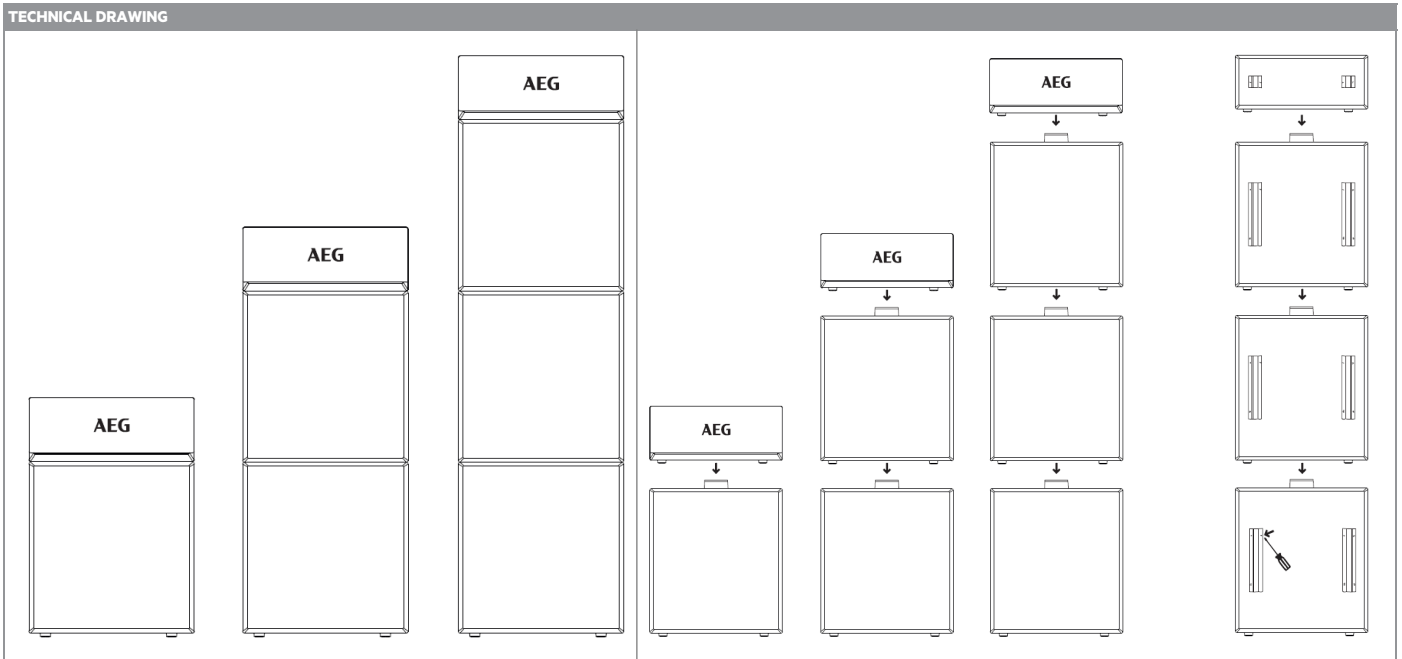
PRODUCT NAMECODE (PNC)	
AS-BBL09-4.8K	
AS-BML09-CM	
AS-BML09-4.8K	

ELECTRICAL CHARACTERISTICS		
Model: AS-BBL09-xxxK		4.8
Celltype		LFP (LiFePO ₄)
Rated capacity ³	[kWh/ Ah]	4.8/ 100 (2×50Ah in parallel)
Volatage operating range	[V]	42-54
Maximum capacity expansion	[kWh]	14.4
Nominal voltage	[V]	48
Maximum charging current	[A]	65
Maximum discharging current	[A]	52

GENERAL DATA		
Relative humidity	[%]	0-100
Communication		WiFi/ Bluetooth
Charging temperature	[°C]	-20 to 55
Discharging temperature	[°C]	-20 to 60
Ingress protection class		IP65
Certificates		CE/EMC, RF, LVD, VDE 4105/0126, EN 50549, C10/11, CEI 0-21
Warranty ¹⁾		10 years or ≥ 6000 cycles (whichever comes first)

AC OUTPUT		
AC-output (ON-grid) ²⁾	[W]	800-2400
AC-output (Off-grid)	[kW]	2.4
Peak Output power (5s)	[kW]	3.6
Frequency	[Hz]	50
Rated Voltage	[V]	230
Overcurrent protection		Yes
Overdischarge protection		Yes
Short-circuit protection		Yes
Undervoltage protection		Yes
Oversurge protection		Yes

MECHANICAL CHARECTERSTICS		
Height	[mm]	638
Depth	[mm]	292
Width	[mm]	450
Weight (battery control module/ battery power module)	[kg]	59.7 (AS-BML09-CM= 12.7/ AS-BML09-4.8K= 47)
Mounting method		Floor
Case		Carbon color
Overheat protection		Yes
Detection of insulation impedance		Yes
Overload protection		Yes
Fire Control		Condensed aerosol fire suppression system



NOTES
1- For the full Warranty Terms please visit www.aeg-solar.com
2- For AC output higher than 800 Watt, the AEG AS-BBL09-4.8K should be connected to a dedicated circuit breaker.
3- Test conditions: 25°C, 90% is usable capacity [90% Depth of Discharge (DoD)] of battery.
Dimensions in the technical picture are expressed in mm with tolerance =2 mm (±0.079 ").
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