

AEG



AC COUPLED PLUG-IN BATTERY SYSTEM
AS-BBL09 SERIES

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



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

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

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 (2x50Ah in parallel) |
| Voltage 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) |

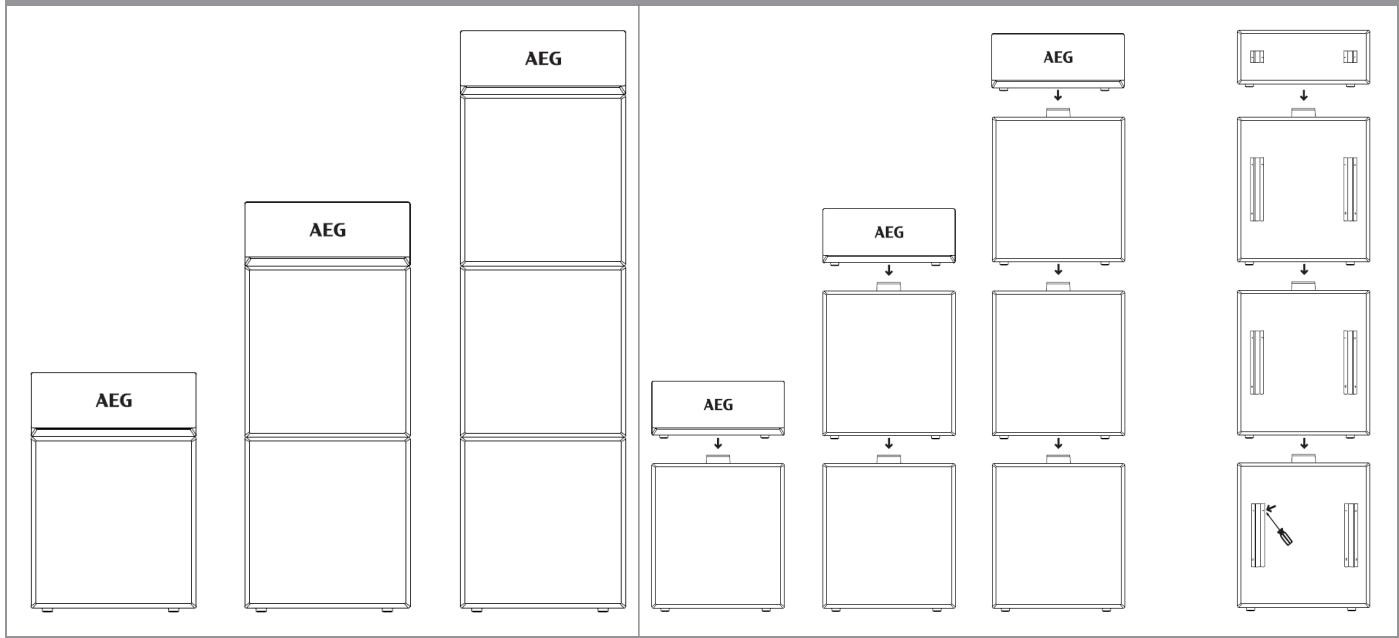
AC OUTPUT

| | | |
|------------------------------------|------|----------|
| 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 CHARACTERISTICS

| | | |
|--|------|---|
| 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 |

TECHNICAL DRAWING



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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SOLAR SOLUTIONS AG

Riedweg 3 | 6418 Röthenbach | Switzerland
www.aeg-solar.com | info@aeg-solar.com

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