

AEG



AC-COUPLED MICRO ENERGY STORAGE SYSTEM AS-BBL08 SERIES

CHARACTERISTICS

Applicable for residential use
Low voltage energy storage system
Battery rated capacity: 3.0kWh - 6.0kWh
Designed for seamless home integration
Product name code (PNC): AS-BBL08-6.0K
Without battery module: AS-BBL08-3.0K
Battery power module: AS-BML08-3.0K



**EXTRA PEACE OF MIND:
UNLIMITED CYCLES^[2]**

ADVANTAGES

FLEXIBLE

- Act as a virtual power plant
- Flexible energy management system
- Store more and power more with unlimited battery cycle

RELIABLE

- IP66 rated design for indoor and outdoor use
- Maximize earnings as grid partners
- AI-optimized power usage

USER-FRIENDLY

- Easy plug and play option
- Unlimited cycle^[2]
- Fully integrated AC-coupled storage system
- Supports dynamic pricing at lowest rate

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PRODUCT SERIES	PRODUCT NAMECODE (PNC)
AEG AC COUPLED MICRO ENERGY STORAGE SYSTEM / WITH BATTERY POWER MODULE	AS-BBL08-6.0K
AEG AC COUPLED MICRO ENERGY STORAGE SYSTEM / WITHOUT BATTERY POWER MODULE	AS-BBL08-3.0K
AEG AC COUPLED MICRO ENERGY STORAGE SYSTEM / BATTERY POWER MODULE	AS-BML08-3.0K

AC OUTPUT (OFF-GRID)			
Model: AS-BBL08-xxxK		3 (without battery power module)	6 (with battery power module)
Max. AC output apparent power	[kVA]	1.5	3
Max. AC output current	[A]	6.82 / 6.53 / 6.25	13.64 / 13.05 / 12.50
AC nominal output voltage & frequency	[V] & [Hz]	220 / 230 / 240 & 50 / 60	
THDu (Linear load)	[%]	< 3	

AC OUTPUT (ON-GRID)			
Rated AC-output power ^[2]	[W]	800 (default) / 1500 (premium) ^[3]	
Max. AC-output apparent power	[kVA]	1.5	3
Max. AC-output current	[A]	6.82 / 6.53 / 6.25	13.64 / 13.05 / 12.50
Rated. AC-output current	[A]	3.64 / 3.48 / 3.34 (default)	
		6.82 / 6.53 / 6.25 (premium) ^[3]	
Nominal AC frequency / range	[Hz]	50 / 45 - 55 or 60 / 55 - 65	
Rated AC output voltage / range	[V]	220 or 230 or 240 / 183 - 276	
THDi (Rated power)	[%]	< 3	
Power factor range		> 0.99 (default) / 0.8 (leading) - 0.8 (lagging) [adjustable]	

AC INPUT (ON-GRID)			
Max. AC input apparent power	[kVA]	1.5	3
Max. AC input current	[A]	6.82 / 6.53 / 6.25	13.64 / 13.05 / 12.50
Rated AC input voltage / range	[V]	220 or 230 or 240 / 183 - 276	
Nominal AC frequency / range	[Hz]	50 / 45-55 or 60 / 55 - 65	
Power factor range		> 0.99 (default) / 0.8 (leading)	
		0.8 (lagging) [adjustable]	
THDi (rated power)	[%]	< 3	

BATTERY DATA			
Celltype		LFP (LiFePO ₄)	
Rated capacity	[kWh]	3.0 (without battery power module)	6.0 (with battery power module)
Nominal energy	[kWh]	3.014 (without battery power module)	6.028 (with battery power module)
Nominal voltage	[V]	9.6	
Maximum charging / discharging power	[kW]	1.5 (without battery power module)	3.0 (with battery power module)
Depth of Discharge (DoD) ^[4]	[%]	90	
Battery cycle life ^[5]		Unlimited cycle	

MECHANICAL CHARECTERSTICS			
Model: AS-BBL08-xxxK		3.0 (without battery power module)	6.0 (with battery power module)
Height	[mm]	279	575.5
Depth	[mm]	281	281
Width	[mm]	460	460
Weight	[kg]	28	54
Altitude	[m]	3000	
Humidity	[%]	5 - 95 (no condensing)	
Operating temperature range	[°C]	- 20 to 55	

WARRANTY AND CERTIFICATION	
Safety	IEC 62109 - 1 / - 2; CE
EMC	IEC 62619; UN 38.3; IEC / EN 61000 - 6 -1 / -2 / -3 / -4
Grid connection standard	VDE 4105; IEC 61727 / 62116; CEI 0 - 21; EN 50549 -1
	G 98; G 99; C 10 - 11; UNE 217002
Warranty ^[1]	10 (technical) / 15 (lifespans)

GENERAL DATA	
Case	Carbon color
Communication	WiFi / Bluetooth / CAN ^[5]
Display	LED & APP
Cooling concept	Natural
Ingress protection class	IP66
Mounting method	Floor



NOTES
1- For the full Warranty Terms please visit www.aeg-solar.com
2- The cumulative discharging energy throughout energy for single battery is 18.3 MWh in 10 years (EOL 70%)
3- Premium: Enabling this function must comply with local regulations and should only be performed by authorized persons.
4- Test conditions: 25°C, 90% is usable capacity [90% Depth of Discharge (DoD)] of battery.
5- Communication interface with battery power module.
Version 2026.05.V3.1EN Specifications in this datasheet are subject to change without notice.
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Dimensions in the technical picture are expressed in mm with tolerance +2 mm (+0.079 ").

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