

# AEG



## COMMERCIAL & INDUSTRIAL ENERGY STORAGE SYSTEM AS-BSC06 SERIES

### CHARACTERISTICS

All-in-one system supports flexible expansion  
Multi-functional integration with PV access  
Stable and continuous power supply  
For commercial and industrial application  
Nominal capacity: 215 kWh  
Product name code (PNC): AS-BSC06-200K



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

### ADVANTAGES

#### FLEXIBLE

- DC coupled PV, improve power generation efficiency
- Reversed DC expansion interface
- Switching time between on & off-grid is <20ms
- Multiple wiring options reduce site constraints

#### RELIABLE

- IP55 rated design for indoor and outdoor use
- 3 level fire detection, explosion-proof ventilation design
- Combined aerosol & water fire suppression for dual protection
- Equipped with intelligent and efficient STS

#### USER-FRIENDLY

- Expandable up to capacity range 2.58 MWh (supporting up to 12 units in parallel)
- Elegant and compact design
- Easy handling and installation at low cost
- AC-coupled integration with PV, diesel generators, EV chargers and all energy scenarios

PRODUCT SERIES		PRODUCT NAMECODE (PNC)	
AEG C&I ENERGY STORAGE SYSTEMS / PV+ESS ALL IN ONE CABINET		AS-BSC06-200	
ELECTRICAL CHARACTERISTICS		PHOTOVOLTAIC	
Model: AS-BSC06-xxxK	200	Model: AS-BSC06-xxxK	200
Battery type	LFP (LiFePO4)	Maximum input power	[kW] 50*3
Rated current	[A] 140	Maximum input current	[A] 100*3
Maximum current	[A] 160	Short circuit current	[A] 150
Battery capacity	[Ah] 280	Input voltage range	[VdC] 200-670
Voltage range (usable)	[VdC] 696-864	Maximum voltage	[VdC] 670
Nominal capacity	[kWh] 215	Start-up voltage	[VdC] 250
Pack configuration	1P16S*15	MPPT path	3
AC (ON-GRID)		SYSTEM CHARACTERISTICS	
Rated power	[kW] 100	Height	[mm] 2250
AC maximum current	[A] 167	Width	[mm] 1845
AC rated voltage	[VAC] 400	Depth	[mm] 1190
Wiring method	3P4L+PE	Weight	[kg] 2800±100
Power Factor	1.0 (Leading) ~ 1.0 (Lagging)	Display	Touch screen
THDi	[%] ≤3 (Rated power)	Case	Carbon color
Frequency	[Hz] 50/ 60	Max. efficiency	[%] 87
Maximum number of parallel expansion	12	Air conditioner power	[kW] 3 (Cooling)/ 1 (Heating)
AC (OFF-GRID)		Fire Control	Aerosol, Water fire system, Multi-sensor/ Water ingress, Audible & visual alarm, Explosion-proof ventilation
Rated power	[kVA] 100	Cooling method	Air-cooling
AC Rated voltage	[Vac] 400	Noise	[dB] ≤70
AC maximum current	[A] 167		
Wiring method	3P4L+PE		
Unbalanced load	[%] 100		
THDv	[%] <3 (linear load)		
Frequency	[Hz] 50/ 60		
Max. number of parallel expansion	5		
RELIABILITY AND CERTIFICATION		OPERATING CONDITIONS	
Certification	CE, LVD, UN 38.3	Humidity	[%] 0-95 RH (Non-condensing)
Ingress protection class	IP55	Operating temperature	[°C] -20 to 50 (derating above 45°C)
Anti-corrosion grade	C3	Altitude	[m] 3000 (derating above 2000m)
Communication	Ethernet/ 4G/ RS485		
PRODUCT APPEARANCE		WARRANTIES <sup>1</sup>	
		Battery system	[years] 5 year standard warranty or ≥ 8000 cycles (whichever comes first)
		Accessories	[years] 3
		Air conditioner	[years] 1
Back View	Cabinet View	Front View	
NOTES			
1- For the full Warranty Terms please visit <a href="http://www.aeg-solar.com">www.aeg-solar.com</a>			
Dimensions in the technical picture are expressed in mm with tolerance ±2 mm (±0.079")			
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