

ePowerCUBE **BAHV**

High-voltage residential battery pack



Easy installation



Remote upgrade



Low-temperature heating



Automatic parallel connection,
without voltage limitations



Long service life



10-year warranty

High-voltage battery

Model	AES5.1-M(with auxiliary electric heating)	AES5.1-M1
Battery parameters		
Rated voltage	102.4	
Operating voltage	89.6~113.6	
Rated capacity (Ah)	50	
Energy capacity (kWh)	5.12	
Battery material	LFP (32S1P)	
Recommended charge/discharge current	25A/25A (25°C)	
Max. charge/discharge current	32A/32A(25°C)	
Charge/discharge efficiency	> 95%	
Cycle life	> 10000* Cycles	
Depth of discharge (DoD)	90%	
Operating temperature	-18°C~53°C	
Communication interface	CAN, RS485	

General information		
Protection rating	IP65	
Cooling method	Natural Cooling	
Dimensions of battery pack (WxHxD)	550×340×252 mm	
Battery pack weight (kg)	52	
Dimensions of battery controller (WxHxD)	550×200×252 mm	
Weight of battery controller (kg)	9.5	
Warranty period	10 Years	
Certification	CE	
EMC certification standards	IEC 61000-6-1, IEC 61000-6-3	
Safety certification standards	IEC/EN62477-1, IEC62619, IEC 60730 Annex H, IEC63056	
Environmental standards	—	
Transportation standards	—	
Scalability	Up to 6 modules	

* The above data were obtained through tests under laboratory conditions at 20°C, and the actual operating environment may vary.