



ePowerCUBE **BALV**

Low-voltage residential battery pack



Easy installation



Remote upgrade



Low-temperature
heating



Automatic parallel connection,
without voltage limitations



10-year warranty



90% DoD

Low-voltage battery

Model	AES5.1-L(with auxiliary electric heating)	AES5.1-L1
Battery parameters		
Rated voltage	51.2	
Operating voltage	48-56	
Rated capacity (Ah)	100	
Energy capacity (kWh)	5.12	
Battery material	LFP (16S1P)	
Recommended charge/discharge current	50A/50A (25°C)	
Max. charge/discharge current	100A/100A (25°C)	
Charge/discharge efficiency	> 95%	
Cycle life	> 10000* Cycles	
Depth of discharge (DOD)	90%	
Operating temperature	-20°C~55°C	
Charging temperature	2°C~53°C	
Discharge temperature	-20°C~55°C	
Communication interface	CAN, RS485	
General information		
Dimensions of battery pack (W x H x D)	550×485×195 mm	
Battery pack weight (kg)	48	
Protection rating	IP65	
Cooling method	Natural Cooling	
Warranty period	10 Years	
Certification	CE	
EMC certification standards	IEC 61000-6-1, IEC 61000-6-3	
Safety certification standards	IEC 62619, IEC 63056, IEC 60730 Annex H	
Environmental standards	—	
Transportation standards	UN38.3	
Scalability	Up to 15 modules	

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