

BF100(314Ah)

BF100(314Ah) is a DC battery cabinet designed for outdoor installation. With an air-cooling system, it can deliver AC output when matched with a third-party inverter, making it ideal for small-scale commercial and industrial scenarios.



*The product includes a side-mount bracket and works with major inverters, but not include the inverter.



Flexible Expansion

Single unit capacity options of 100/140kWh, supports DC expansion, with flexible capacity configuration



Simple O&M

Modular design, side outlet mode, easy to install and maintain



Safe & Reliable

Multi-level fire detection + active exhaust + passive explosion-proof + Audible & visual alarm + Water fire system design to eliminate hidden hazards and ensure safe operation



Ultra-long Lifespan

LFP 314Ah large battery, higher safety performance, longer cycle life.

SPECIFICATION

Model	BF100-C100E	BF100-C140
Battery		
Battery Type	LFP (LiFePO ₄)	
Battery Capacity	314Ah	
Rated Current	157A	
Max. Current	180A	
PACK Configuration	1P20S*5	1P20S*7
Rated Voltage	320Vdc	448Vdc
Voltage Range	290~360Vdc	406~504Vdc
Nominal Capacity	100kWh	141kWh
System		
Weight	1360kg (TBD)	1650kg (TBD)
Dimension (W*D*H)	850*1320*2425mm	
Max. Efficiency	94%	
Air Conditioner Power	3.2kW (Cooling), 1kW (Heating)	
Operating Temperature	-20~50°C (Derating above 45°C)	
Operating Humidity	0~95%RH (Non-condensing)	
Ingress Protection	IP55	
Anti-corrosion Grade	C3 (Optional C5)	
Cooling Method	Air-cooling	
Noise	≤75dB (Add optional accessories ≤65dB)	
Elevation	3000m (Derating above 2000m)	
Display	APP	
Fire Protection	Aerosol, Water fire system, Multi-sensor detector/Water ingress detector, Audible & visual alarm, Explosion-proof ventilation	
Communication	Ethernet/4G/RS485/Bluetooth/CAN	
Certification	CE, LVD, UN38.3	

