

BF100

BF100 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.



Flexible Expansion

Single unit capacity options of 86/100kWh, supports DC expansion, with flexible capacity configuration



Safe & Reliable

Three-level fire detection + active exhaust + passive explosion-proof design to eliminate hidden hazards and ensure safe operation



Ultra-long Lifespan

LFP battery, higher safety performance, longer cycle life



Simple O&M

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

Specification

Model	BF100-C80		BF100-C100
Battery			
Battery Type	LiFePO ₄		
Battery Capacity	280Ah		
Rated Current	140A		
Max. Current	160A		
PACK Configuration	1P16S*6	1P16S*7	
Voltage Range	278.4~345.6Vdc	324.8~403.2Vdc	
Nominal Capacity	86kWh	100kWh	
System			
Weight	1100±100kg	1200±100kg	
Dimension (W/D/H)	725/1200/2260mm		
Max. Efficiency	94%		
Air Conditioner Power	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	≤72dB		
Elevation	3000m (Derating above 2000m)		
Display	Touch screen		
Fire Protection	Aerosol, Multi-sensor/Water ingress detector, Explosion-proof ventilation		
Communication	Ethernet/4G/RS485		
Certification	CE, LVD, UN38.3		
Compatible Inverters	Solis/SOSEN/SOLINTEG		

*Operating conditions: 0.2C Charging & Discharging, @25°C, 95% DOD

