



- ☆ Large capacity, high strength metal shell lithium iron phosphate battery, sufficient capacity
- ☆ Charging equalization function SoC(battery current storage status) SOH(battery current health status) estimation function
- ☆ LED status indication function, LED real-time display SOC function
- ☆ Low power consumption, and has a variety of sleep and wake-up modes
- ☆ Adjustable overcurrent protection, short circuit protection, buzzer alarm
- ☆ High voltage accuracy(<20mV), high current accuracy (<2%@FS), battery temperature detection(<2°C)
- ☆ With parallel communication function, RS485 communication and host computer monitoring function, and CAN communication
- ☆ With battery pack capacity and cycle count calculation function

Model	LB100AH/51.2V100E	LB300AH/51.2V200E
Available capacity	5120WH	14336WH
Chemical formula of battery cell	LiFePO ₄	
Maximum continuous discharge current	100A	200A
Rated voltage		
Voltage range		
Maximum output power	5120W	10240W
Maximum charge voltage		
Recommended charging voltage		
Recommended charging current	50A	140A
Low-power consumption	Self loss during operation ≤ 50mA, low-power mode ≤ 200uA	
Charging current limiting function	10A	20A
Long delay protection for charging and discharging overcurrent	BMS100:>105A alarm,> 110A/1S protection BMS200:>205A alarm,> 210A/1S protection	
Instantaneous protection against discharge overcurrent	BMS100:≥150A/100ms BMS200:≥250A/100ms	
Overvoltage protection released	Discharge current>1A release (51.2V machine: 59.2V/25.6V machine: 29.6V overvoltage protection)	
Release of over release protection	Can be activated by connecting the charger (51.2V machine: 43.2V/25.6V machine: 21.6V over discharge protection)	
Release of charging overcurrent protection	Discharge current>1A release	
Release of overcurrent protection	Charging current>1A release	
Short circuit protection function	Yes, it will automatically release during charging	
MOS high temperature protection	MOS transistor over temperature protection	
Cell temperature protection	Battery cells are protected at low temperatures (-20 ℃) and high temperatures (70 ℃)	
Environmental temperature alarm	Low temperature protection -20 ℃, high temperature protection 75 ℃	
Cell failure Volt	Individual pressure difference>1V	
Display	LED strip display+LCD display screen	
Depth of Discharge (DOD) of Battery	≥95%	
Modules Connection	1-15	
Communication	Standard RS232 RS485 CAN	
Protection grade	IP21	
Cycle times (standard charge and discharge at room temperature)	≥ 5000 times	≥ 8000 times
Working temperature range	Discharge: -10 ℃ ~+50 ℃; Charging:+0 ℃ ~+60 ℃	
Storage temperature	> 1 month, 0-35 ℃; ≤ 1 month, -20~45 ℃	
Terminal type	M8	
L*W*H(mm)	720*480*170	755*490*253