

Solar Lithium battery LBC Series 6000 Cycles

51.2V/100Ah LiFePO4 Lithium Iron Battery (Wall Mounted)

51.2V/200Ah LiFePO4 Lithium Iron Battery (Wall Mounted)



MAIN FEATURES

- Top brand cell, grade A quality
- High density, small size and weight
- Cells cycle times 6000 cycles
- Long lifespan: 5 years warranty, 10+ life design
- Big discharge current, Suitable for solar system.
- Smart BMS system to optimize the performance
- Communication: RS485/CAN, compatible with different brand of solar inverter
- All around protection
- Power wall and 4U Rack mounted case design for optional
- Smart bms supports communication with different brand of hybrid inverter

Communication with different brand:



TECHNICAL PARAMETER

SPECIFICATION	51.2V100AH LBC Series	51.2V200AH LBC Series
Battery Type	LiFePO4 (BYD/EVE Cell)	LiFePO4 (BYD/EVE Cell)
Normal Battery Model	51.2V100AH	51.2V200AH
Normal Capacity(25°C, 0.2C) (WH)	5120Wh	10.24KWh
Voltage window (Vdc)	44.8~58.4V	44.8~58.4V
Folat Charge Voltage(Vdc)	56.0V	56.0V
Max.continue discharge current (A)	50	100
Max.pulse discharge current (A)	150A 1Sec.	150A 1Sec.
Max.continue charge current (A)	50	100
Cycle life(+25°C 0.2C 100%DOD)	>6000 Cycles	>6000 Cycles
Cell Equalizer Current(A)	1~5A Max.	1~5A Max.
Terminal	M8	
Storage temperature	0°C~30°C	
Storage duration	6 months at 25°C	
Safety standard	UN38.3,MSDS,CE	
IP degree	IP20	
Communication function	RS485/CAN(Communication protocol supported inverter brand: Deye, Growatt, Voltroni, GOODWE, VICTRON, PYLONTEC, SMA, SOFAR)	
PROTECTION		
Protection	Overcharge protection、Overdischarge protection、Overcurrent protection、Shortcircuit protection、Overtemperature protection	
AMBIENT		
Noise(dB)	< 40dB (1 meter)	
working Temperature	-10°C~+50°C	
Humidity	0~95% (no condensation)	
Sea Level(m)	=1500	
DIMENSION		
L×W×H (products size) mm	L625*W455*H181mm	L837*W455*H181mm
L×W×H (package size) mm	L660*W490*H216mm	L872*W490*H216mm
Weight(NW Kg)	57.0Kg	101.0Kg
Weight(GW Kg)	60.0Kg	104.0Kg

Solar Lithium Battery Pack, Modular Stacked LBD Series

(2560KWh~ 20.48KWh Battery, 6000 Cycles)

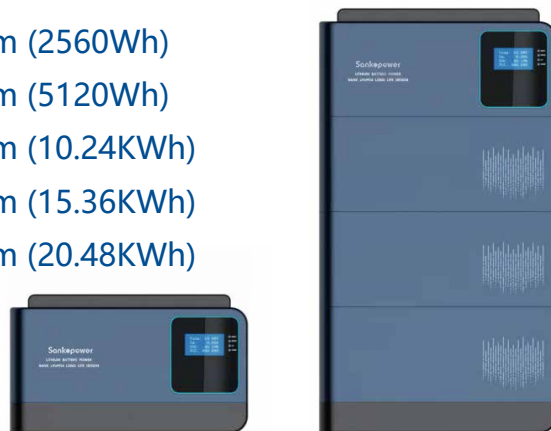
51.2V/50Ah LiFePO4 Lithium Battery System (2560Wh)

51.2V/100Ah LiFePO4 Lithium Battery System (5120Wh)

51.2V/200Ah LiFePO4 Lithium Battery System (10.24KWh)

51.2V/300Ah LiFePO4 Lithium Battery System (15.36KWh)

51.2V/400Ah LiFePO4 Lithium Battery System (20.48KWh)



MAIN FEATURES

- Top brand cell, grade A quality
- High density, small size and weight
- Cells cycle times 6000 cycles
- Long lifespan: 5 years warranty, 10+ life design
- Big discharge current, Suitable for solar system.
- Smart BMS system to optimize the performance
- Communication: RS485/CAN, compatible with different brand of solar inverter
- All around protection
- 48V Storage system with Modular and Stacked Design
- Smart bms supports communication with different brand of hybrid inverter

Communication with different brand:



TECHNICAL PARAMETER					
MODEL	LBD-51.2V 50AH	LBD-51.2V 100AH	LBD-51.2V 200AH	LBD-51.2V 300AH	LBD-51.2V 400AH
SPECIFICATION					
System Demo					
Battery Module	LBD-51.2V50AH	LBD-51.2V100AH			
No. of Module	1	1	2	3	4
Normal Capacity(25°C, 0.2C) (WH)	2560Wh	5120Wh	10.24KWh	15.36KWh	20.48KWh
Battery Type	LiFePO4 (BYD Cell)	LiFePO4 (BYD Cell)	LiFePO4 (BYD Cell)	LiFePO4 (BYD Cell)	LiFePO4 (BYD Cell)
Voltage window (Vdc)	44.8~58.4V	44.8~58.4V	44.8~58.4V	44.8~58.4V	44.8~58.4V
Folat Charge Voltage(Vdc)	56.0V	56.0V	56.0V	56.0V	56.0V
Max.continue discharge current (A)	25	50	100	150	200
Max.pulse discharge current (A)	50A 1Sec.	150A 1Sec.	300A 1Sec.	450A 1Sec.	600A 1Sec.
Max.continue charge current (A)	50	50	100	150	200
Cycle life(+25°C 0.2C 100%DOD)	>6000 Cycles	>6000 Cycles	>6000 Cycles	>6000 Cycles	>6000 Cycles
Cell Equalizer Current(A)	1~5A Max.	1~5A Max.	1~5A Max.	1~5A Max.	1~5A Max.
Terminal	Double M8	Double M8	Double M8	Double M8	Double M8
Storage temperature	0°C~30°C				
Storage duration	6 months at 25°C				
Safety standard	UN38.3,MSDS,CE				
IP degree	IP20				
Communication function	RS485/CAN(Communication protocol supported inverter brand: Deye, Growatt, Voltroni, GOODWE, VICTRON, PYLONTEC, SMA, SOFAR)				
PROTECTION					
Protection	Overcharge protection、Overdischarge protection、Overcurrent protection、Shortcircuit protection、Overtemperature protection				
AMBIENT					
Noise(dB)	< 40dB (1 meter)				
working Temperature	-10°C~+50°C				
Humidity	0~95% (no condensation)				
Sea Level(m)	=1500				
DIMENSION					
L×W×H (products size) mm	L479*W192*H192mm	L655*W452*H191mm	L655*W452*H428mm	L655*W422*H595mm	L655*W422*H761mm
Weight(NW Kg)	33.0Kg	55.0Kg	118.0Kg	175.0Kg	228.0Kg

