

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)



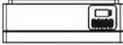
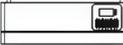
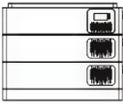
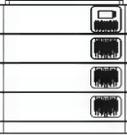
Back Panel Printing Description

- Top brand cell, grade A quality
- High density, small size and weight
- Cells cycle times 6000 cycle
- 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	MODEL	LBD-51.2V 50AH	LBD-51.2V 100AH	LBD-51.2V 200AH	LBD-51.2V 300AH	LBD-51.2V 400AH
System Demo						
Battery Module		LBD-51.2V 50AH	LBD-51.2V 100AH			
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°C0.2C 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		-10C ~+50C				
Humidity		0~95% (no condensation)				
Sea Level (m)		=1500				
DIMENSION						
LxWxH(products size) mm		L479*W192*M192mm	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