



# Residential ESS Solution

## Neptune LB-B5.1



The service life can reach up to 5 years



Discharge temperature:  
-20°C~55°C



6,000 revolutions per cycle service life



Built-in 120A/125VDC fuse protection



Support up to 15 unit in parallel



Wi-Fi Standard +Bluetooth



Supports floor mount and wall mount to save mounting space



Supports multiple communication protocols



Technical Data	Neptune LB-B5.1	
Rated Voltage/Capacity	51.2V 100Ah	
<b>Main Parameter</b>		
Battery Type	LiFePO <sub>4</sub>	
Capacity(Ah)	100	
Scalability	Recommend 15 pcs pack (76.8kWh)	
Nominal Voltage(V)	51.2	
Operating Voltage(V)	43.2~57.6	
Rated Energy(kWh)	5.12	
Usable Energy(kWh)	4.6	
Charge/Discharge Current(A)	Recommend	50
	Max	100
<b>Other Parameter</b>		
Recommend Deth of Discharge	90%	
Dimension(W×H×D,mm)	440×560×135	
Weight Approximate(kg)	45	
IP Rating of Enclosure	IP20	
Operating Temperature(°C)	Charge:0°C~55°C	
	Discharge:-20°C~55°C	
Storage Temperature(°C)	0°C~35°C	
Humidity	5%~95%	
Altitude	≤2000m	
Cycle life *	≥6000 Cycles	
Installation Location	Wall-mounted, floor, rack	
Communication Port	CAN2.0,RS485,WIFI	
Warranty Period	5 years	
Certification	UN38.3	

\*Test conditions:0.2C Charging& Discharging. @25°C,90% DOD

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