



Residential ESS Solution

Neptune LA-B5.0-A



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 wall mount to save mounting space



Supports multiple communication protocols



Technical Data	Neptune LA-B5.0-A	
Rated Voltage/Capacity	51.2V100Ah	
Main Parameter		
Battery Type	LiFePO ₄	
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
Other Parameter		
Recommend Deth of Discharge	90%	
Dimension(W×H×D,mm)	440×560×153 (Without handle or Connector)	
Weight Approximate(kg)	45	
Display	Color touch display screen(Optional)	
IP Rating of Enclosure	IP20	
Operating Temperature(°C)	Charge:0°C~55°C	
	Discharge:-20°C~55°C	
Storage Temperature(°C)	-10°C~35°C	
Humidity	5%~95%	
Altitude	≤2000m	
Cycle life *	≥6000 Cycles	
Installation Location	Wall-mounted	
Communication Port	CAN2.0,RS485,WIFI	
Warranty Period	5 years	
Certification	UN38.3	

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