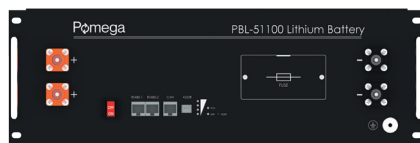


Low Voltage Batteries



Basic Properties	PBL-51100	PBW-51100
Cell Type	LiFePO ₄ - Prismatic	
Nominal Voltage	51.2V	
Nominal Capacity	100Ah	
Nominal Energy Capacity	5.12kWh	
Operating Voltage Range	44V - 56.8V	
Maximum Charge Voltage	56.8V	
Standard Charge/Discharge Current	50A / 50A	
Max. Cont. Charge/Discharge Current	100A / 100A	
Limited Charge Current	10A	
Cycle Life (*)	≥4000 cycles	
Normal Operating Temperature	25°C	
Charging Temperature	0~50°C	
Discharging Temperature (**)	-15~50°C	
Storage Temperature	-10~60°C	
Residual Capacity Loss	Monthly ≤ 4% (25°C ± 2C)	
Warranty	10 Years	
Functional Properties		
Communication Interface	CAN, RS485	
Scalibility	Max. 8 units in parallel	
Cooling	Natural	
Integrated Heater	No	
BMS Protections	UV, OV, OC, UT, OT, SC	
LED Indicators	Alarm, Run, SOC	
High Current Protection	Externally Replaceable Fuse	Internal
Compatible Inverter (***)	Deye, Victron, Growatt, Solis, Senergy, Hopewind	
Mechanical Properties		
Protection Level	IP20	IP65
Humidity	5% - 85% RH (non-condensing)	
Altitude	<3000 m	
Dimension (WxDxH) (without connectorand handle)	446×532×160 mm (19 Inches - 3.5U)	445×610×185 mm
Weight	49±1 kg	51±1 kg
Power Terminals	Click Connectors	

(*) Test Conditions: 25°C

(**) Performance may vary in different conditions

(***) Contact us for other inverter brands