

# LOW VOLTAGE 19" BATTERIES



PBL-51100



PBT-48100



PBT-48150

Model	PBL-51100	PBT-48100	PBT-48150
Cell Type	LiFePO4 - Prismatic		
Nominal Voltage	51.2V	48V	
Nominal Capacity (*)	100Ah		150Ah
Nominal Energy Capacity	5.12kWh	4.8kWh	7.2kWh
Operating Voltage Range	44V - 56.8V	41.3V - 54.75V	
Maximum Charge Voltage	56.8V	54.75V	
Standard Charge/Discharge Current	50A		75A
Max. Cont. Charge/Discharge Current	100A / 100A		150A / 150A
Limited Charge Current	10A		
Cycle Life (**)	>4000 cycles		
Design Life	>10 years		
Normal Operating Temperature	> 25°C		
Charging Temperature	0~50°C	-15~55°C	
Discharging Temperature	-10~55°C	-20~55°C	
Storage Temperature	-20~55°C	-20~60°C	
Residual Capacity Loss	Per month ≤ 3%		
Warranty	4 years		
<b>Functional Properties</b>			
Communication	CAN, RS485		
Scalability	Max. 8 units in parallel	Max. 6 units in parallel	
Cooling	No	Natural	
Integrated Heater		Yes	
BMS Protections	UV, OV, OC, UT, OT, SC		
LED Indicators	Alarm, Run, SOC		
High Current Protection	Integrated High Current Prot.	External Replaceable Fuse	
Compatible Inverter	Deye, Victron, Growatt, Solis, Schneider, Senergy		
<b>Mechanical Properties</b>			
Protection Level	IP20		
Humidity	5% - 85% RH (non-condensing)		
Altitude	<4500m		
"Dimension (WxDxH) (without connector and handle)"	446x532x160 mm (19 Inches - 3.5U)	446x400x176 mm (19 Inches - 4U)	446x400x220 mm (19 Inches - 5U)
Weight	40±1 kg	45±1 kg	61±1 kg
Power Terminals	Click Connectors	M6 Screw Terminals (16mm2)	

(\*) Test Conditions : 25°C, 0.5C Charge/Discharge

(\*\*) Test Conditions : 25°C, 80% DOD, 80% SOH, 0.5C Charge/Discharge