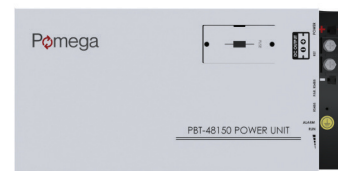


# Portable High Performance Batteries



Basic Properties	PBT-48100	PBT-48150
Cell Type	LiFePO <sub>4</sub> - Prismatic	
Nominal Voltage	48V	
Nominal Capacity	100Ah	150Ah
Nominal Energy Capacity	4.8kWh	7.2kWh
Operating Voltage Range	40V - 54.75V	
Maximum Charge Voltage	54.75V	
Standard Charge/Discharge Current	50A / 50A	75A / 75A
Max. Cont. Charge/Discharge Current	100A / 100A	150A / 150A
Limited Charge Current	10A	
Cycle Life (*)	>4000 cycles	
Normal Operating Temperature	25°C	
Charging Temperature	-20~50°C	-20~55°C
Discharging Temperature (**)	-10~55°C	-20~60°C
Storage Temperature	-20~5°C	-20~60°C
Residual Capacity Loss	≤ 4% (25°C ± 2C)	
Warranty	10 Years	
Functional Properties		
Communication	RS485	
Scalability	Max. 8 Parallel Units	
Cooling	Natural	
Integrated Heater	Yes	
BMS Protections	UV, OV, OC, UT, OT, SC	
LED Indicators	Alarm, Run, SOC	
High Current Protectio	Externally Replaceable Fuse	
Mechanical Properties		
Protection Level	IP20	
Humidity	5% - 85% RH (non-condensing)	
Altitude	<3000m	
Dimension (WxDxH) (without connector and handle)	398×472×178 mm (4U)	398×472×233 mm (5U)
Weight	60±1 kg	60±1 kg
Power Terminals	M8 Screw in Terminals	

(\*) Test Conditions: 25°C, 70% SOH

(\*\*) Performance may vary in different conditions