

High Voltage 19-Inch Batteries



Basic Properties	PBH-51100	PBH-512100	PBH-768100	PBH-768200
Cell Type	LiFePO ₄ - Prismatic			
Nominal Voltage	51.2V	512V	768V	
Nominal Capacity	100Ah			200Ah
Nominal Energy Capacity	5.12kWh	51.2kWh	76.8kWh	153.6kWh
Operating Voltage Range	44V-56.8V	440V - 568V	660V - 852V	
Max. Charge Voltage	56.8V	568V	852V	
Standard Charge/Discharge Current	50A / 50A			100A / 100A
Max. Cont. Charge/Discharge Current	100A / 100A			200A / 200A
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	≤ 4%/monthly (25°C ± 2C)			
Warranty	10 Years			
Functional Properties				
Communication	CAN, RS485	CAN		
Scalability	Max. 15 serial units	Max. 15 parallel units	Max. 7 parallel units	
Cooling	Fan			
BMS Protections	UV, OV, OC, UT, OT, SC (PDU)			
LED Indicators	Alarm, Run, SOC			
Circuit Breaker	No	Integrated Master BMS		
Mechanical Properties				
Protection Level	IP20			
Humidity	5% - 85% RH (non-condensing)			
Altitude	<3000 m			
Dimension (WxDxH) (without connector and handle)	446×532×160 mm (19 inç - 3.5U)	629×610×2251 mm (19 inç - 50U)	1258×610×2258 mm (19 inç - 50U)	1887×610×2258 mm (19 inç - 50U)
Weight	48±1 kg	540±10 kg	870±15 kg	1600±30 kg

(*) Test Conditions: 25°C

(**) Performance may vary in different conditions