



51.2V 200Ah 10.24kWh

B-LFP48-200E rack batteries are made from a deep cycle prismatic LiFePO₄ battery that combines proprietary architecture, circuitry, assembly methods and battery management systems (BMS) that are modular, lightweight and scalable for applications ranging from residential, commercial and industrial energy storage to telecom base station installations.



Modular and scalable



16S/15S multiple options



Better price, bigger capacity



10-year warranty & technical support



30 days delivery period



For on-grid and off-grid



UL standard battery pack



High cycle life and deep cycle capability



Safe and reliable LiFePO₄

Item	General Parameter	
Model	B-LFP48-200E	
Battery Type	LiFePO4	
Nominal Voltage (V)	51.2	
Nominal Capacity (wh)	10240	
Usable Capacity (wh)	9216	
Cell & Method	16S2P	
Dimension(mm)(W*H*D)	590*483(442)*222	
Weight(Kg)	95	
Discharge Voltage (V)	47	
Charge Voltage (V)	55	
Charge	Rate. Current / Power	100A / 5.12kW
	Max. Current / Power	160A / 8.192kW
	Peak Current / Power	210A / 10.752kW
Discharging	Rate. Current / Power	200A / 10.24kW
	Max. Current / Power	220A / 11.264kW, 1s
	Peak Current / Power	250A / 12.80kW, 1s
Communication	RS232, RS485, CAN, WIFI(Optional), Bluetooth(Optional)	
Depth Of Discharge(%)	90%	
Expansion	up to 63 units in parallel	
Working Temperature	Charge	0~55°C
	Discharge	-20~55°C
Storage Temperature	0~35°C	
Short Circuit Current/Duration Time	350A, Delay time 500μs	
Cooling Type	Nature	
Protection Level	IP20	
Monthly Self-discharge	≤ 3%/month	
Humidity	≤ 60% ROH	
Altitude(m)	< 4000	
Warranty	10 Years	
Design Life	> 15 Years (25°C / 77°F)	
Cycle Life	> 6000 cycles, 25°C	
Certification & Safety Standard	UN38.3	



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