

S200 LIFEPO4 BATTERY DATA SHEET(12.8V/200Ah)

Bluetooth app available



Android



IOS



Comply with MERCURY marine starting lithium battery standard

BATTERY TECHDATA

Store energy	2560Wh	
Rated capacity	200Ah	
Nominal voltage	12.8V	
Volt range	10V-14.4V	
Charge time	Standard	5.5h
	Rapid	1.5h
Charge method CC-CV	Standard	40A/14V
	Rapid	150A/14V
Max discharge current	Crank	1800A
	Surge (60S)	400A
	Continuous	100A
Cycle life 0.5C,23°C/73°F	50%	>7000 cycles
	100%	>2000 cycles
Operating temperature range	Charge	0°C~55°C/ 32°F~131°F
	Discharge	-20°C~60°C/ -4°F~140°F
	Storage(1month)	-20°C~45°C/ -4°F~113°F
	Storage(6month)	-10°C~35°C/ 14°F~95°F
Water proof	IP67	
Flammability rating	UL94-V0	
Approx weight	19.8kg/43.6lbs	

Series & parallel connection Supports 4-series connection for deep cycle use only; strictly forbid series for starting; parallel supported; ensure equal voltage before connection.

Length	Width	Height
376mm 14.8in	194mm 7.63in	227mm 8.94in

BMS PROTECTION

Balance	Current	40mA
	Activate volt	3.55V/ cell
High temperature protection(MOSFET)	Protection	85°C/ 185°F
	Release	75°C/ 167°F
High temperature protection (cell)	Protection	65°C/149°F (charge) 70°C/158°F (discharge)
	Release	55°C/131°F (charge) 60°C/140°F(discharge)
Low temperature protection (cell)	Protection	0°C/ 32°F (charge) -20°C/ -4°F (discharge)
	Release	10°C/50°F(charge) -10°C/ 14°F(discharge)
Over-charge	Protection	15.4V (3.85V/cell)
	Release	14.6V (3.65V/cell)
Over-discharge	Protection	9.2V (2.3V/cell)
	Release	10V (2.5V/cell)
Short-circuit	Protection	3800A
	Release	Remove load for the short circuit protection to release

APPLICATION SCENARIOS



BOAT



TROLLING MOTOR



DUMP TRAILER



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