

S110 LIFEPO4 BATTERY DATA SHEET(12.8V/110Ah)

Bluetooth app available

IP67
UN38.3



Android



IOS



Comply with MERCURY marine starting lithium battery standard

BATTERY TECHDATA	
Store energy	1408Wh
Rated capacity	110Ah
Nominal voltage	12.8V
Volt range	10V-14.4V
Charge time	Standard 5.5h
	Rapid 1.5h
Charge method CC-CV	Standard 22A/14V
	Rapid 100A/14V
Max discharge current	Crank 1000A
	Surge (60S) 400A
	Continuous 100A
Cycle life 0.5C,23°C/73°F	50% >7000cycles
	100% >2000cycles
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	11kg/24.3lbs
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
279mm 11in	175mm 6.9in	189mm 7.9in

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	3000A
	Release	Remove load for the short circuit protection to release

APPLICATION SCENARIOS



BOAT



TROLLING MOTOR



DUMP TRAILER



TRAILER



MOTORHOME



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