

**S24110 LIFEPO4 BATTERY
DATA SHEET(25.6V/110Ah)**
Bluetooth app available




IP67

UN38.3





Android



IOS


Comply with MERCURY marine starting lithium battery standard
BATTERY TECHDATA

Store energy	2816Wh	
Rated capacity	110Ah	
Nominal voltage	25.6V	
Volt range	20V-29.2V	
Charge time	Standard	5.5h
	Rapid	1.5h
Charge method CC-CV	Standard	22A/29.2V
	Rapid	100A/29.2V
Max discharge current	Crank	1000A
	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 2-series connection for deep cycle use only; strictly forbid series for starting; parallel supported; Batteries must be fully charge before parallel 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	30.8V (3.85V/cell)
	Release	29.2V (3.65V/cell)
Over-discharge	Protection	18.4V (2.3V/cell)
	Release	20V (2.5V/cell)
Short-circuit	Protection	3800A
	Release	Remove load for the short circuit protection to release

**APPLICATION
SCENARIOS**


BOAT



TROLLING MOTOR



DUMP TRAILER



TRAILER



MOTORHOME



HOME