



VICTRON protocol compatible

## S24110 PRO LIFEPO4 BATTERY DATA SHEET(25.6V/110Ah)

# NMEA2000 COMPLIANCE

Comply with MERCURY marine starting lithium battery standard



Communication protocol:  
NMEA2000, CANBUS, 485

### BATTERY TECHDATA

Store energy	2816Wh
Rated capacity	110Ah
Nominal voltage	25.6V
Volt range	20V-28.8V
Charge time	Standard 5.5h
	Rapid 1.5h
Charge method CC-CV	Standard 22A/28V
	Rapid 110A/28V
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	21.3kg/46.9lbs

Series & parallel connection  
Series not supported. Up to 7 in parallel. Equalize voltages before connection. Contact manufacturer to parallel more units.

Length	Width	Height
378mm 14.9in	205mm 8.1in	257mm 10.1in

### BMS PROTECTION

Balance	Current	40mA
	Activate volt	3.55V/ cell
High temperature protection(MOSFET)	Protection	115°C/ 239°F
	Release	90°C/ 194°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	-5°C/ 23°F (charge) -20°C/ -4°F (discharge)
	Release	0°C/32°F (charge) -15°C/ 5°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