

## E24220 LIFEPO4 BATTERY DATA SHEET(25.6V/220Ah)

NMEA2000 protocol compatible



CE  
IP67 UN38.3  
FC



Length	Width	Height
520mm	268mm	220mm
20.5in	10.6in	8.7in

### BATTERY TECH DATA

Stored energy	5632Wh	
Rated capacity	220Ah	
Nominal voltage	25.6V	
Volt range	20V-28.8V	
Charge time	Standard	5h
	Rapid	1.2h
Charge method CC-CV	Standard	44A/14V
	Rapid	200A/14V
Max discharge current	Continuous	200A
Cycle life 0.5C,23°C/73°F	50%	>7000cycles
	100%	>2000cycles
Operating temperature range	Charge	0°C~45°C / 32°F~113°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 / -4°F~95°F
Water proof	IP67	
Self-consumption	Working	≤40mA
	Hibernate	≤100μA
Approx weight	50kg /110.2lbs	

Series & parallel connection  
Max 8 batteries in parallel connection.  
Series connection is not available.  
Batteries must be fully charge before parallel connection.

### BMS PROTECTION

Balance	Current	50mA
	Activate volt	3.55V/ cell
		Cell Voltage difference > 20mV
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)
Charge Over-current	Protection	250A@1S
	Release	Wait for 60S or discharge current > 1A. After 10 triggers, battery must be restarted to release protection.
Discharge Over-current	Protection	900A@1S
	Release	Wait for 60S or charge current > 1A. After 10 triggers, battery must be restarted to release protection.
Over-charge	Protection	15.2V (3.8V/cell)
	Release	13.52V (3.38V/cell) or discharge current > 1A
Over-discharge	Protection	10V (2.5V/cell)
	Release	11.8V (2.8V/cell)
Short-circuit	Protection	1800A
	Release	Remove load for the short circuit protection to release

### APPLICATION SCENARIOS



BOAT



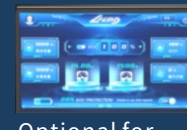
TROLLING MOTOR



TRAILER



MOTORHOME



Optional for Lilead Display

Communication Protocol:  
Canbus/RS485