

**E72125 LIFEPO4 BATTERY
DATA SHEET(76.8V/125Ah)**
Canbus/RS485 protocol compatible


Length	Width	Height
649mm	495mm	210mm
25.6in	19.5in	8.3in

BATTERY TECH DATA

Stored energy	9600Wh	
Rated capacity	125Ah	
Nominal voltage	76.8V	
Volt range	60V-86.4V	
Charge time	Standard	5.5h
	Rapid	1.2h
Charge method CC-CV	Standard	25A/84V
	Rapid	125A/84V
Max discharge current	Pulse current	500A
	Continuous	125A
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
Self Consumption	Working	≤50mA
	Hibernate	≤600μA
Water proof	IP66	
Approx weight	85kg /231lbs	

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	3.4V/ cell
Cell Voltage difference > 50mV and >5s		
High temperature protection(MOSFET)	Protection	105°C / 221°F
	Release	70°C / 158°F
High temperature protection (cell)	Protection	60°C / 140°F (charge) 65°C / 149°F (discharge)
	Release	50°C / 122°F (charge) 55°C / 131°F (discharge)
Low temperature protection (cell)	Protection	-5°C / 23°F (charge) -20°C / -4°F (discharge)
	Release	5°C / 41°F (charge) -10°C / 14°F (discharge)
Over-charge	Protection	87.6V (3.65V/cell)
	Release	81.1V (3.38V/cell) or discharge current >1A
Over-discharge	Protection	60V (2.5V/cell)
	Release	67.2V (2.8V/cell)
Overcharge current	Protection	350A@80ms or 135A@1S
	Release	Wait 60s or discharge current > 0.5 A. If the protection triggered 11+ times, restart the battery to release.
Overdischarge current	Protection	400A@80ms or 310A@1S
	Release	Wait 60 s or charge current > 0.5 A. If the protection triggered 11+ times, restart the battery to release.
Short-circuit	Protection	800A@128μS
	Release	Remove load for the short circuit protection to release

**APPLICATION
SCENARIOS**


BOAT



TROLLING MOTOR



TRAILER



MOTORHOME


 Optional for
Lilead Display