

**E96125 LIFEPO4 BATTERY
DATA SHEET(102.4V/125Ah)**
Canbus/RS485 protocol compatible


Length	Width	Height
781mm	495mm	210mm
30.7in	19.5in	9.3in

BATTERY TECH DATA

Stored energy	12800Wh	
Rated capacity	125Ah	
Nominal voltage	102.4V	
Volt range	80V-115.2V	
Charge time	Standard	5.5h
	Rapid	1.7h
Charge method CC-CV	Standard	25A/112V
	Rapid	80A/112V
Max discharge current	Peak	250A
	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	
Approx weight	110kg /243lbs	

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

BMS PROTECTION

Balance	Current	50mA
	Activate volt	3.35V/ cell
	Cell Voltage difference	> 20mV
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	0°C / 32°F (charge)
		-15°C / 5°F (discharge)
Over-charge	Protection	116.8V (3.65V/cell)
	Release	112V (3.5V/cell) or discharge current > 1A
Over-discharge	Protection	80V (2.5V/cell)
	Release	89.6V (2.8V/cell)
Overcharge current	Protection	95A@2S or 110@1S Wait 60 s or discharge current > 0.5 A.
	Release	If the protection triggered 11+ times, restart the battery to release.
Overdischarge current	Protection	125A@3min or 130A@10S or 150A@1S or 300A@30mS
	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
	Release	Remove load for the short circuit protection to release

**APPLICATION
SCENARIOS**


BOAT



TROLLING MOTOR



TRAILER



MOTORHOME


 Optional for
Lilead Display