

**E48125-Power LIFEPO4 BATTERY
DATA SHEET(51.2V/125Ah)**

VICTRON protocol compatible

CE
IP67 UN38.3
FC



Communication protocol:
CANBUS, 485

BATTERY TECH DATA

Stored energy	6400Wh	
Rated capacity	125Ah	
Nominal voltage	51.2V	
Volt range	40V-57.6V	
Charge time	Standard	4.5h
	Rapid	1.5h
Charge method CC-CV	Standard	30A/56V
	Rapid	125A/56V
Max discharge current	Peak(10s)	600A
	Surge (10min)	200A
	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
Water proof	IP67	
Approx weight	63kg/138.9lbs	
Series & parallel connection	Max 18 batteries in parallel connection. Series connection is not available. Batteries must be fully charge before parallel connection.	

Length	Width	Height
592mm	355mm	205mm
23.3in	14in	8.07in

BMS PROTECTION

Balance	Current	50mA
	Activate volt	3.55V/ cell
	Cell Voltage difference	> 20mV
High temperature protection(MOSFET)	Protection	95°C / 203°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	60V (3.75V/cell)
	Release	54.08V (3.38V/cell) or discharge current >1A
	Over-discharge	Protection
Short-circuit	Release	44.8V (2.8V/cell)
	Protection	800A
	Release	Remove load for the short circuit protection to release

**APPLICATION
SCENARIOS**


BOAT



TROLLING MOTOR



TRAILER



MOTORHOME


 Optional for
Lilead Display