

D24100 LIFEPO4 BATTERY DATA SHEET(25.6V/100Ah)

Bluetooth app available



Android



IOS



Length	Width	Height
502mm	187mm	241mm
19.76in	7.36in	9.49in

BATTERY TECHDATA

Store energy	2560Wh
Rated capacity	100Ah
Nominal voltage	25.6V
Volt range	20V-28.8V
Charge time	Standard 5.5h
	Rapid 1.5h
Charge method CC-CV	Standard 20A/28V
	Rapid 100A/28V
Max discharge continuous current	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	IP66
Approx weight	22kg/48.5lbs

-Maximum 2 in series connection.
-Supports multiple batteries in parallel for yacht and RV applications.
-Batteries must be fully charged before connecting in series or parallel.

Series & parallel connection

BMS PROTECTION

Balance	Current	40mA
	Activate volt	3.3V/ cell
	Cell Voltage difference	≥ 30mV
High temperature protection(MOSFET)	Protection	105°C / 221°F
	Release	85°C / 185°F
High temperature protection (cell)	Protection	65°C / 149°F (charge)
		75°C / 167°F (discharge)
	Release	55°C / 131°F (charge) 65°C / 149°F (discharge)
Low temperature protection (cell)	Protection	-10°C / 14°F (charge)
		-20°C / -4°F (discharge)
	Release	-5°C / 41°F (charge) -10°C / 14°F (discharge)
Over-charge	Protection	30.0V (3.75V/cell)
	Release	28.4V (3.55V/cell)
Over-discharge	Protection	18.8V (2.35V/cell)
	Release	19.6V (2.45V/cell)
Short-circuit	Protection	1000A
	Release	Remove load for the short circuit protection to release

APPLICATION SCENARIOS



BOAT



TROLLING MOTOR



DUMP TRAILER



TRAILER



MOTORHOME



HOME