

**D48100 LIFEPO4 BATTERY
DATA SHEET(51.2V/100Ah)**
Bluetooth app available


Android



IOS



Length	Width	Height
523mm	270mm	225mm
20.59in	10.63in	8.86in

BATTERY TECHDATA

Stored energy	5120Wh	
Rated capacity	100Ah	
Nominal voltage	51.2V	
Volt range	40V-57.6V	
Charge time	Standard	5.5h
	Rapid	1.5h
Charge method	Standard	20A/56V
	CC-CV	Rapid 100A/56V
Max discharge continuous current	100A	
Cycle life	50%	>7000cycles
	0.5C,23°C/73°F	100%
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	39kg/59.5lbs	

Series & parallel connection

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

BMS PROTECTION

Balance	Current	40mA
	Activate volt	3.3V/cell
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	60.0V (3.75V/cell)
	Release	56.8V (3.55V/cell)
Over-discharge	Protection	37.6V (2.35V/cell)
	Release	39.2V (2.45V/cell)
Short-circuit	Protection	1000A
	Release	Remove load for the short circuit protection to release
Heating (optional)	Action	Temp≥5°C & charge current ≥1A
	Stop	Temp ≥15°C or charge current <1A
	Power	200W, recommend to use 56V 5A or higher power charger

APPLICATION SCENARIOS


BOAT



TROLLING MOTOR



DUMP TRAILER



TRAILER



MOTORHOME



HOME