

D280 LIFEPO4 BATTERY DATA SHEET(12.8V/280Ah)

Bluetooth app available



Android



IOS



Length	Width	Height
484mm	170mm	241mm
19.06in	7.06in	9.49in

BATTERY TECHDATA

Stored energy	3584Wh	
Rated capacity	280Ah	
Nominal voltage	12.8V	
Volt range	10V-14.4V	
Charge time	Standard	5.5h
	Rapid	2.5h
Charge method	Standard	60A/28V
	CC-CV	Rapid 150A/28V
Max discharge continuous current	150A	
Cycle life	50%	>7000 cycles
	0.5C,23°C/73°F	100% >2000 cycles
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	27kg/59.5lbs	

Series & parallel connection

- Maximum 4 in series 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	100mA
	Activate volt	3.4V/cell
High temperature protection(MOSFET)	Protection	100°C / 212°F
	Release	80°C / 176°F
High temperature protection (cell)	Protection	65°C / 149°F (charge) 85°C / 185°F (discharge)
	Release	50°C / 122°F (charge) 60°C / 140°F (discharge)
Low temperature protection (cell)	Protection	0°C / 32°F (charge) -20°C / -4°F (discharge)
	Release	-5°C / 41°F (charge) -10°C / 14°F (discharge)
Over-charge	Protection	15.0V (3.75V/cell)
	Release	14.4V (3.6V/cell)
Over-discharge	Protection	10V (2.5V/cell)
	Release	10.8V (2.7V/cell)
Short-circuit	Protection	720A
	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	120W, recommend to use 14V 10A or higher power charger

APPLICATION SCENARIOS



BOAT



TROLLING MOTOR



DUMP TRAILER



TRAILER



MOTORHOME



HOME