

**D105 LIFEPO4 BATTERY  
DATA SHEET(12.8V/105Ah)**
**Bluetooth app available**



  
**IP67**

**UN38.3**
  




Android



IOS



Length	Width	Height
329mm	172mm	226mm
12.95in	6.77in	8.54in

**BATTERY TECHDATA**

Store energy	1344Wh
Rated capacity	105Ah
Nominal voltage	12.8V
Volt range	10V-14.4V
Charge time	Standard 5.5h
	Rapid 1.5h
Charge method	Standard 22A/14V
	CC-CV Rapid 100A/14V
Max discharge continuous current	100A

Cycle life 0.5C,23°C/73°F	50%	>7000cycles
	100%	>2000cycles

Operating temperature range	Charge	3°C~45°C/ 37°F~113°F
	Discharge	-20°C~55°C/ -4°F~131°F
	Storage(1month)	-10°C~45°C/ 14°F~113°F
	Storage(6month)	0°C~35°C/ 32°F~95°F

Water proof IP67

Flammability rating UL94-V0

Approx weight 13.5kg/29.7lbs

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	40mA
	Activate volt	3.55V/ cell
High temperature protection(MOSFET)	Protection	85°C/ 185°F
	Release	75°C/ 167°F
High temperature protection (cell)	Protection	65°C/149°F (charge) 70°C/158°F (discharge)
	Release	55°C/131°F (charge) 60°C/140°F (discharge)
Low temperature protection (cell)	Protection	0°C/ 32°F ( charge) -20°C/ -4°F (discharge)
	Release	10°C/50°F (charge) -10°C/ 14°F (discharge)
Over-charge	Protection	15.4V (3.85V/cell)
	Release	14.6V (3.65V/cell)
Over-discharge	Protection	9.2V (2.3V/cell)
	Release	10V (2.5V/cell)
Short-circuit	Protection	1500A
	Release	Remove load for the short circuit protection to release

**APPLICATION SCENARIOS**


BOAT



TROLLING MOTOR



DUMP TRAILER



TRAILER



MOTORHOME



HOME