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RV and Yacht Energy Storage Battery System







12.8V 100Ah · 1280Wh



12.8V 200Ah · 2560Wh

12.8V LiFePO4 Brief

A 12.8V lithium iron phosphate battery for RV and yacht energy storage, available as a 100Ah (1280Wh) and a 200Ah (2560Wh) unit in a sealed ABS case.

Rated for 6000 cycles and a 10-year life span, with IP65 protection, a continuous discharge current equal to the rated capacity and less than 3% self-discharge per month.

Main Features

- LiFePO4 chemistry, 10-year life span
- IP65 protection, ABS case
- Continuous discharge current up to 100A (100Ah) / 200A (200Ah)
- App, Bluetooth and self-heating optional
- 6000 cycle life
- Internal resistance ≤10mΩ
- Self-discharge below 3% per month

Application

- Recreational vehicles and campervans
- Small off-grid solar storage
- Yachts and boats



Battery Specifications

	Model	12.8V100Ah	12.8V200Ah
Electrical	Nominal Voltage	12.8V	
	Nominal Capacity	100Ah	200Ah
	Energy	1280Wh	2560Wh
	Internal Resistance	≤10mΩ	
	Cycle Life	6000 cycles	
	Monthly Self-discharge	<3%	
	Efficiency of Discharge	≥100% @0.5C	
Charge	Charge Voltage	14.6V	
	Charge Mode	0.25C to 14.6V, then 14.6V, charge current to 0.05C (CC/CV)	
	Charge Current	50A	
	Max. Charge Current	100A	200A
Discharge	Continuous Current	100A	200A
	Discharge Cut-off Voltage	10V	
Environment	Charge Temperature	0°C to 55°C (32°F to 131°F) @60±25% relative humidity	
	Discharge Temperature	-20°C to 60°C (-4°F to 140°F) @60±25% relative humidity	
	Storage Temperature	>1 month: 0~35°C (32~95°F); ≤1 month: -20~45°C (-4~113°F)	
	IP Level	IP65	
Mechanical	Plastic Case	ABS	
	Dimensions (mm)	329×173×215 (±3)	770×285×82 (±3)
	Weight	≈10kg	≈30kg
	App / Bluetooth / Heating	Optional	

Product specifications are subject to change without further notice.