RV and Yacht Energy Storage Battery System



25.6V LiFePO4 Brief

A 25.6V, 100Ah lithium iron phosphate battery for RV and yacht energy storage, storing 2560Wh in a sealed ABS case. The range also covers 25.6V 200Ah and 51.2V 100Ah units in the same housing style.

Rated for 6000 cycles and a 10-year life span, with IP65 protection, 1C continuous discharge, a 3C pulse current for up to 10 seconds and less than 3% self-discharge per month.

Main Features

- LiFePO4 chemistry, 10-year life span
- IP65 protection, ABS case
- 1C continuous current, 3C pulse (max. 10s)
- App, Bluetooth and self-heating optional
- 6000 cycle life
- Internal resistance ≤20mΩ
- Self-discharge below 3% per month

Application

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



Battery Specifications

	Model	25.6V100Ah
Electrical	Nominal Voltage	25.6V
	Nominal Capacity	100Ah
	Energy	2560Wh
	Internal Resistance	≤20mΩ
	Cycle Life	6000 cycles
	Monthly Self-discharge	<3%
	Efficiency of Discharge	96~99% @0.5C
Charge	Charge Cut-off Voltage	28.8V ±0.2V
	Charge Mode	0.5C to 28.8V, then 28.8V, charge current to 0.02C (CC/CV)
	Charge Current	0.5C
	Max. Charge Current	1C
Discharge	Continuous Current	1C
	Max. Pulse Current	3C (max. 10s)
	Discharge Cut-off Voltage	20V
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)	522×238×218 (±3)
	Weight	≈21kg
	App / Bluetooth / Heating	Optional

Product specifications are subject to change without further notice.