

Enjoybot Lithium Iron Phosphate LiFePO4 Deep Cycle Battery 24V 100Ah





HIGH QUALITY LITHIUM BATTERY

- High energy density: Provides long runtimes and has a large storage capacity.
- Longer lifespan: Can undergo more charge and discharge cycles, resulting in longer service life.
- Enhanced stability and safety: Less susceptible to safety issues like overheating and fire.
- Environmentally friendly: No liquid, non-toxic, and causes less pollution to the environment.
- Fast charging: Reduces users' charging time.

TEMPERATURE SPECIFICATIONS		
Charge Temperature 32 ~ 122 °F (0 ~ 50 °C		
Discharge Temperature	-4 ~ 140 °F (-20 ~ 60 °C)	
Storage Temperature	14 ~ 122 °F (-10 ~ 50°C)	
High Temp Cut-Off / Recovery	y 167 °F (75 °C) / 122°F (50 °C)	
Low Temp Cut-Off / Recovery	32 °F (0 °C) / 41°F (5 °C)	

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LiFeP04	
	CONTRACT CONTRACT
24V 100 Ah	SPECIFICATION
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LITHIUM IRON PHOSPHATE DEEP CYCLE RECHARGEABLE BATTERY	win view in the second se
LITHIUM IRON PHOSPHATE	

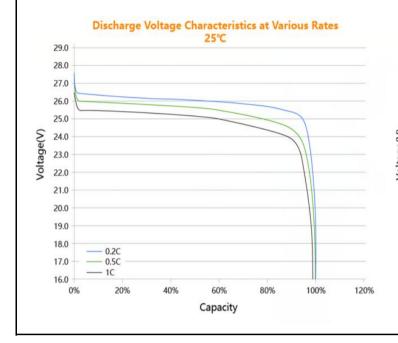
ELECTRICAL SPECIFICATIONS		
Nominal Voltage	25.6V	
Nominal Capacity	100Ah, 2560Wh	
Cell Type - Chemistry	LiFePO4	
Cycle Life	5000 times @80% DOD	
BMS Rating	100A	

MECHANICAL SPECIFICATIONS		
Dimensions(L xW x H)	20.55 x 9.45 x 8.58 inch 522 x 240 x 218 mm	
Weight	42.55 lbs (19.3kg)	
Terminal	M8*16mm (L)	
Case Material	ABS Plastic	
Waterproof Rating	IP65	

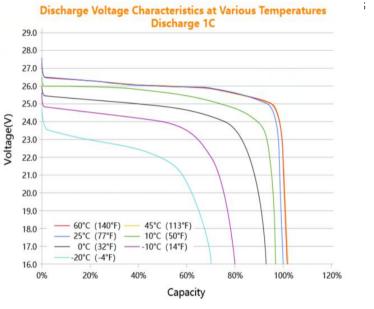
CHARGE SPECIFICATIONS		
Recommended Charge Current	20 A	
Max. Continuous Charging Current	50A	
Recommended Charge Voltage	28.8V - 29.2V	
Max. Batteries in Series	2	
Max. Batteries in Parallel	10	
Max. Configuration	2S4P	

DISCHARGE SPECIFICATIONS		
Max. Continuous Discharge Current	t 100A	
Peak Discharge Current	350A (3-5s)	
Max Depth of Discharge (DOD)	100%	
Max. Load /Inverter Power	2560W	

PERFORMANCE CHARACTERISTICS



STATE OF CHARGE (SOC)			
Charge		Discharge	
Voltage(V)	Electricity	Voltage(V)	Electricity
23.7	O%	26.8~27.6	100%
26.02	10%	26.76	90%
26.42	20%	26.74	80%
26.66	30%	26.74	70%
26.66	40%	26.52	60%
26.66	50%	26.46	50%
26.7	60%	26.42	40%
26.9	70%	26.3	30%
26.9	80%	26.08	20%
26.9	90%	25.82	10%
27.2	100%	23.7	O%
*25.6V LiFePO4 battery laboratory test data (for reference only)			



MPPT PARAMETER SETTINGS

Charging:

Charging Limit Voltage: 28.4V	
Over Voltage Disconnect Voltage: 29.2V	
Over Voltage Reconnect Voltage: 27.6V	
Float Charging Voltage: 27.6V	
Discharging:	
Low Voltage Disconnect Voltage: 23.2V	
Low Voltage Reconnect Voltage: 24.8V	
Under Voltage Warning Voltage: 25.6V	





