

# ENJOYBOT 12V 100AH Lithium Iron Phosphate (LiFePO4) Deep Cycle Rechargeable Battery

Model 971-HE-12V-100AH

## • ELECTRICAL PERFORMANCE

Nominal Voltage	12V
Capacity	100 Ah, 1280Wh
Life Cycles	5,000 @ 80% DOD
BMS Board	Yes (Internal)
BMS Rating	100A BMS
Self-Heating Function	No

## • CHARGE PERFORMANCE

Standard Charge Current	20A
Max Charge Current	100A
Max Continuous Charge Current	50A
Recommended Charge Voltage	14.2V-14.6V
Maximum Batteries in Series	4
Maximum Batteries in Parallel	10
Maximum Configuration	4S4P

## • MECHANICAL PERFORMANCE

Cell Type	Automotive Grade Cells (Prismatic Cell)
Number of Cells	4
Terminal	M8*16mm (L)
Weight	26.24 lbs (11.9kg)
Dimensions	12.95" (L) x 6.77" (W) x 8.42" (H) (329x172x214mm)
Waterproof Rating	IP65

## • Discharge Performance

Max Discharge Current	100A
Max Continuous Discharge Current	100A
Recommended Discharge Voltage	10.8V-12.4V
Max Depth of Discharge (DoD)	100%
Max Load/Inverter Power	1280W
Peak discharge current	300A(less than 3 seconds)



## • Temperature Performance

Operating Temperature (Charge)	0~50°C (32°F~122°F)
Operating Temperature (Discharge)	-20~60°C (-4°F~140°F)
Operating Temperature (Storage)	-10~50°C (14°F~122°F)

## • COMPLIANCE

Certifications	CE, RoHS, PSE, WEEE
Enjoybot deep cycle battery is not designed as a starter battery. Starting engine is not covered under the warranty.	

