

12V 100Ah

Lithium Battery

(LiFePO4) PRO-SERIES | Deep Cycle Battery

Battery: Deep cycle lithium iron phosphate

BMS Solution: JBD Smart BMS

Color: Black

Life Cycle: 5000 cycles

Very Low Self Discharge: <3% per month

Certification: CE, RoHS, UN.38.3

Flexible Deployment: Supports series and parallel connection

Deep Discharge: 100%

Excellent Temperature Range: -20°C to 60°C

Smart BMS LCD Display: Included

Bluetooth Monitoring: Included



Discharge/Charge

Max Continuous Discharge Current	150A
Peak Current	200A
Discharge Pulse Current	900A
Discharge Cut-off Voltage	12.0V
Max Charge Current	100A
Recommended Charge Current	20A – 50A
End of Charge Voltage	14.6V
BMS Over Charge Voltage Cut-off	14.4V
Balancing Voltage	13.2V
Cell Balancing Current	200mA

Mechanical

Terminal Type	M8
Weight	24 lbs (10.89 kg)
Case Dimension (L*W*H)	13" x 6.85" x 8.58"
BCI Group Size	Group 31
Case Material	ABS Plastic
Enclosure Protection	IP65
Cell Type/Chemistry	Prismatic LiFePO4
BMS Functions: Over-charge, Over-discharge, Over-current, Short-circuit, Temperature Protection, Auto Balance, Bluetooth App	

Electrical

Nominal Voltage	12.8V
Rated Capacity	100Ah
Energy	1280Wh
Operation Voltage	12.0V – 14.6V
Self Discharge	≤3% / Month
Efficiency	≥99%
Max Module In Series	4
Max Module In Parallel	4
Short Circuit Protection	200-500 μs

Temperature

Discharge Temperature	-20°C to 60°C
Charge Temperature	0°C to 45°C
Storage Temperature Range	-5°C to 35°C
Battery High Temperature Protection	80°C
BMS Temperature Protection	105°C
Self-heating	Optional
Self-heating mode	Optional

Dimensional

