

BANSHEE™

"IT'S NOT A BATTERY, IT'S A BANSHEE"

MBB-LFP12-100

12.8V 100Ah LiFePO4 Battery

Features of LiFePO4 Battery

- **Longer Cycle Life:** Offers up to 20 times longer cycle life and five times longer float/calendar life than lead acid battery, helping to minimize replacement cost and reduce total cost of ownership.
- **Lighter Weight:** About 40% of the weight of a comparable lead acid battery. A 'drop in' replacement for lead acid batteries.
- **Higher Power:** Delivers twice power of lead acid battery, even high discharge rate, while maintaining high energy capacity.
- **Wider Temperature Range:** -20°C~60°C.
- **Superior Safety:** Lithium Iron Phosphate chemistry eliminates the risk of explosion or combustion due to high impact, overcharging

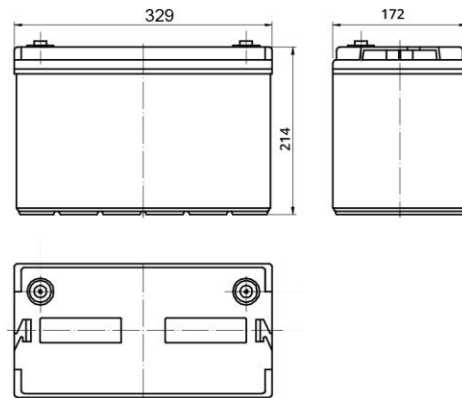
Picture



Specification

Nominal Voltage:	12.8V
Nominal Capacity:	100Ah
Energy:	1280.0Wh
Internal Resistance:	≤50mΩ
Cycle Life:	>2500 cycles @80%DOD
Limited Charge Voltage:	14.6±0.2V
Charge Method:	CC/CV
Standard Charge Current:	0.2C
Max Charge Current:	≤1C
Discharge Cut-off Voltage:	10.0V
Max. Continuous Discharge Current:	100A (custom)
Dimension:	329*172*214mm
Weight:	12.50Kg
Terminal Type:	M8 insert
Case Material:	ABS
Charge Temperature Range:	0~45°C
Discharge Temperature Range:	-20~60°C
Self-Discharge Rate:	≤3%/month
Recommended storage temperature:	15~35°C
Recommended storage humidity:	45%RH~75%RH

Physical Dimension

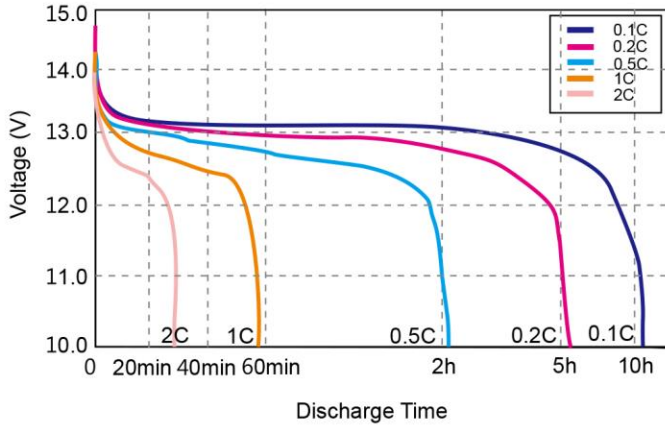


Application

Electric vehicles, electric mobility
Solar/wind energy storage system
UPS, back up power
Telecommunication
General purpose lead acid battery replacement
Golf cart /RV /Marine

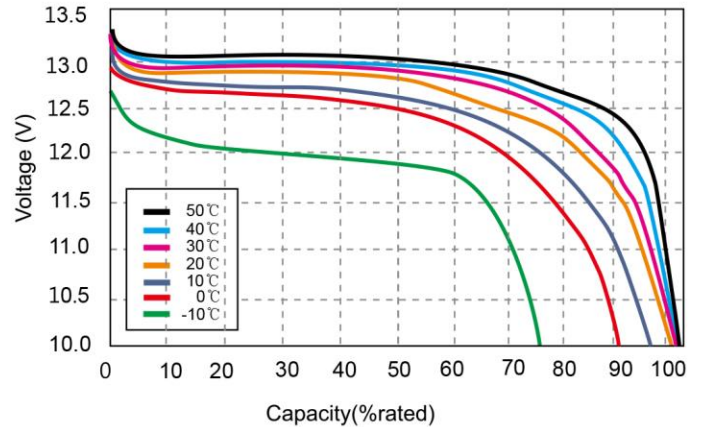
Different Rate Discharge Curve

Different Rate Discharge Curve @25°C



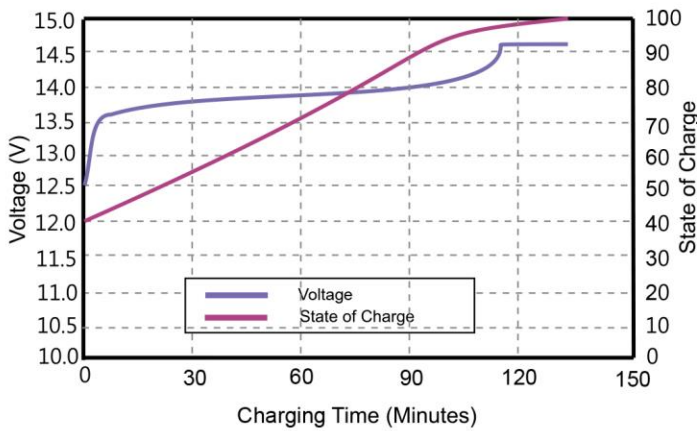
Different Temperature Discharge Curve

Different Temperature Discharge Curve @0.5C



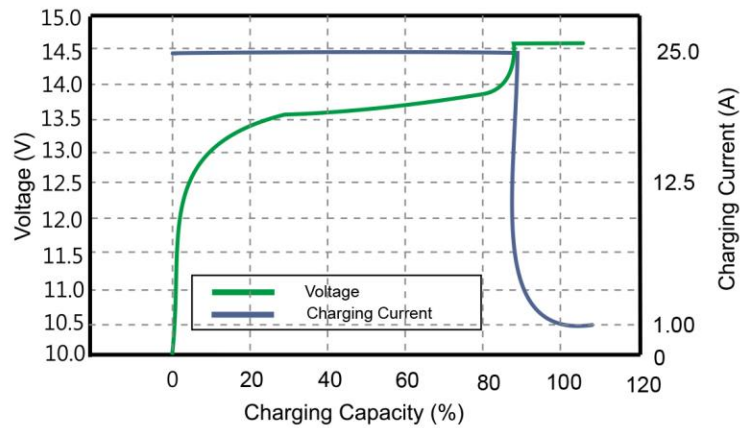
State of Charge Curve

State of Charge Curve @0.5C 25°C



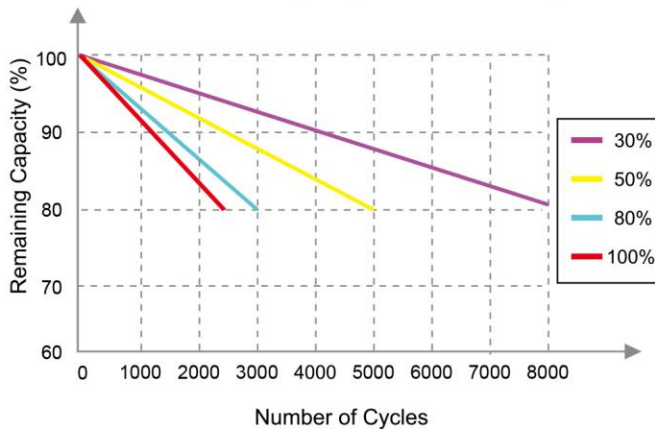
Charging Characteristics

Charging Characteristics @0.5C 25°C



Cycle Life Curve

Different DOD Discharge Cycle Life Curve @1C



Self Discharge Characteristics Curve

Different Temperature Self Discharge Curve

