

LB12300B Data Sheet

Lithium Iron Phosphate

Specifications	
Voltage	12.8
Capacity	300AH
Storage temperature	-4°F~95°F
Self Discharge Rate	<3% per Month
Internal Resistance	<20mΩ
Wireless Communications	Bluetooth BLE, 4.0 or above
Charging	
Charging Temperature Range	32°~113°F
Charge Voltage	14.6 ±0.1 Volts
Float Voltage	13.9 ±0.1 Volts
Maximum Current	80 Amps
Recommended Current	60 Amps
Discharging	
Discharge Temperature Range	-4°F~140°F
Discharge Current, continuous	100 Amps
Discharge Current, 3 seconds	350 Amps
Discharge Cut Off Voltage	8.0 Volts
Battery Protection	
Over Charge, per cell, Open	3.8 Volts, ±0.03 Volts
Over Charge, per cell, Release	3.6 Volts, ±0.05 Volts
Over Discharge, per cell, Open	2.0 Volts, ±0.05 Volts
Over Discharge, per cell, release	2.3 Volts, ±0.05 Volts
Over Current	>100 Amps @ 30 Seconds
Over Current Release	30 Seconds
Over Temperature	149° F
Over Temperature Release	131° F
MOSFET Over Temperature	212° F
MOSFET Over Temperature Release	158° F
Mechanical	
Length	21.3"
Width	10.6"
Height	8.7"
Weight	83 Pounds
Hardware	M8 bolt, washer, lock washer

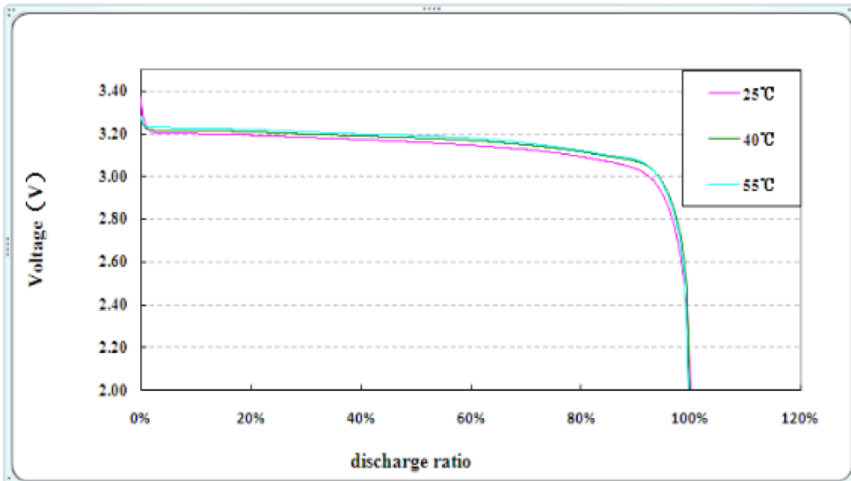


LiFeBlue Batteries are designed using safe Lithium Iron Phosphate (LiFePO₄) chemistry. Our prismatic cells are designed for deep cycle use in recreational vehicles (RV's), boats, off grid energy storage, UPS and other industrial applications.

Each battery has a built in Battery Management System (BMS) to protect against voltage, current and high temperatures. The BMS also includes our exclusive capacity monitor. The BMS communicates with a smart phone through our free Bluetooth IOS or Android application. Simply open the app to see remaining capacity (SoC %), current, temperature, voltage, cycle life and more.

LiFeBlue Batteries can be charged from multiple sources and are compatible with many chargers. All these features and backed by our 5 Year Limited Warranty make LiFeBlue the best choice for your energy storage needs.

Certifications include UL, CE, CB, UN38.3, ISO9001, ISO14001, OHSAS18001, TS16949



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