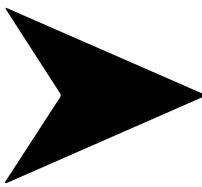


# VOLTECH



## LB-12100M 12.8V - 100AH (1280Wh)



Voltech Lithium LiFePO4 Series Batteries provide superior performance, capacities and reliability. Using state of high power cell technology the lithium series is designed for environmentally sensitive areas that require enhanced cycle life capabilities in commercial, industrial, residential, and private applications. The maintenance free construction and advanced design features makes the lithium Series the definitive choice for a wide variety of markets; Solar and Renewable Energy Storage; Electric Vehicle and Golf cart; Industrial equipment, Floor Machines, Forklifts, Aerial lifts, Robotics, Marine, Caravan, Motorhome, RV, Mobility and Medical Equipment, Telecom, Broadband and Cable TV; UPS systems.

### Applications



### ELECTRICAL SPECIFICATIONS

Nominal Voltage	12.8	V
Amp Hour Capacity	100	AH
Reserve Capacity @30A	200	min
Energy Density	1280	Wh
Resistance - Milliohms	< 50	
Efficiency - round trip	> 99.5%	
Self Discharge per Month	< 3%	
Max 4 - series connections	12-48V	
Parallel connections	No Limited	

### DISCHARGE SPECIFICATIONS

Max Cont Discharge current	100	A
Peak Discharge Current	300	A
BMS Current Cut Off	>100.5A	10S
BMS Current Cut Off	>120A	3S
BMS Current Cut Off	>150A	1S
BMS Voltage Cut Off	10V	
BMS Reconnect Voltage	12V	

### TEMPERATURE SPECIFICATIONS

Discharge Temperature	(-20 to 60C)
Charge Temperature	(-20 to 45C)
Storage Temperature	(-5 to 35C)
BMS High Temp Cut Off	80C
BMS Reconnect Temp	50C
IP	50

### MECHANICAL SPECIFICATIONS

Dimensions (L*W*H)	600X80X320mm
Weight Terminal	15.5 KGS
Type	Anderson 100A
Terminal current	120A max
Supplied cable length	450mm
Case Material	SSP
Case IP Rating	IP50
Cell Type - Chemistry	LiFePO4

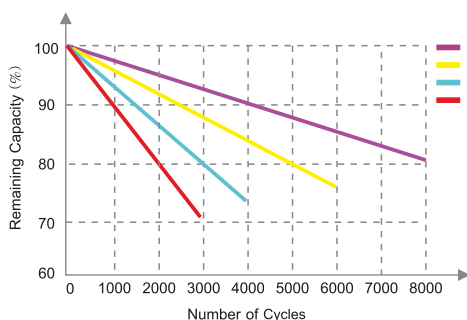
### CHARGE SPECIFICATIONS

Recommend Charge current	50A
Max Charge current	100A
Recommend Charge voltage	14.2 - 14.6V
BMS Charge voltage cut off	15.0V
BMS Reconnect voltage	14.4V
Balancing voltage	13.6

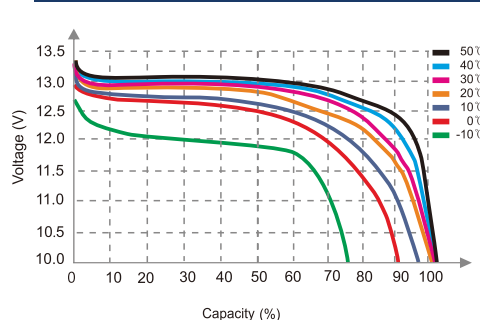
### Safety and Performance Specifications

Certifications	CB / CE UN38.3 UL1642 @ cell
Shipping Classification	UN3480, CLASS 9

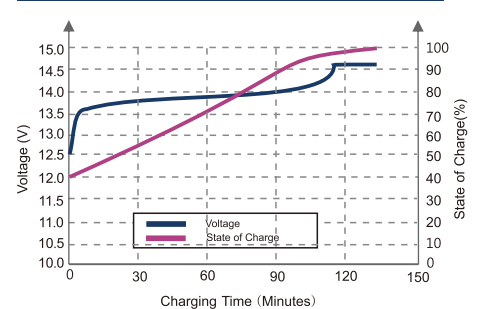
Different DOD Discharge Cycle Life Curve 1C 25C



Different Temperature Discharge Curve(0.2C)



State of Charge Curve(0.5C, 25°C)



For more information, contact with: [sales@electroparts.com.au](mailto:sales@electroparts.com.au)