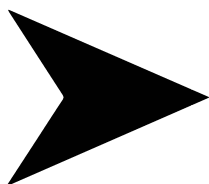


VOLTECH



LB-12120P 12.8V - 120AH (1536Wh)



Voltech Lithium 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	120	AH
Reserve Capacity @ 30A	240	min
Energy Density	1536	Wh
Resistance - Milliohms	< 45	
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 3C	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	330X175X230mm
Weight Terminal Type	12 KGS
Terminal Torque	M8
Case Material	12.4NM
Case IP Rating	ABS
Cell Type - Chemistry	IP56
Cell Type	LiFePO4
	Prismatic

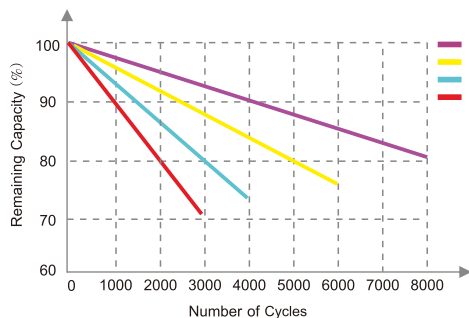
CHARGE SPECIFICATIONS

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

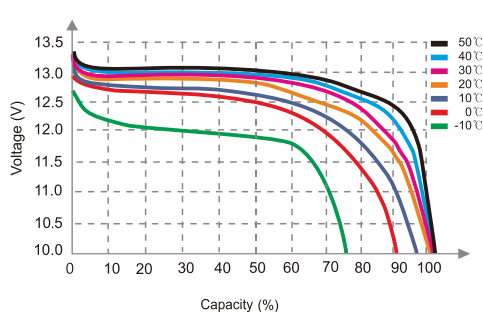
Safety and Performance Specifications

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

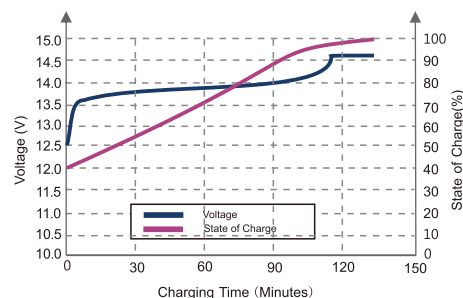
Different DOD Discharge Cycle Life Curve 1C 25C



Different Temperature Discharge Curve(0.2C)



State of Charge Curve(0.5C, 25C)



For more information, contact with: sales@electroparts.com.au