



Designed For
Australian Conditions



Stop Start



BlueTooth



Ultra High
Performance



Lithium



Long Life
Design



Sealed
Design



Ultra
Lightweight

HIGH PERFORMANCE LITHIUM STARTING BATTERY

SPECIFICATION

Model	LS40ZAL-16V-BT
Polarity	
Battery Type	LiFePO4
Cell Type	Pouch Cells
Size	196*127*202*221mm
Weight	5.5kg
Rated Voltage	12.8V
Rated Capacity	30Ah
Reserve Capacity	72mins
CCA (-18°C)	700A (15 seconds)
Interior Resistance	3.5mΩ
Recommend Charge Current	9A~30A
Maximum Constant Charge Current	90A
Maximum Constant Discharge Current	90A (20 minutes)
Maximum Instantaneous Discharge Current (-18°C)	1000A (5 seconds)
Max.Battery Connected In Series	2 units
Max.Battery Connected In Parallel	2 units
Short Circuit Protection	Yes
Recommended Operating Temperature	-20°C~ 60°C
High Temperature Protection	90°C (±5°C)
Low Temperature Protection	-20°C (±5°C)
Ingress Protection Rating	IP67
Over Discharge Protection Voltage	10.0V
Over Discharge Recovery Voltage	11.5V
Over Charge Protection Voltage	19.5V
Over Charge Recovery Voltage	19.0V
Charge discharge cycle	1500 Cycles Life @100% DOD
Self Discharge Rate	≤30 uA
Bluetooth	Yes

COMPLIANCE SPECIFICATIONS

Certifications	UN 38.3 & CE (battery) MSDS (battery) IEC62619 (cells)
Shipping Classification	UN3480, CLASS 9

LS40ZAL-16V-BT

LiFePO4

“SSB Lithium Batteries (also known as Lithium Iron Phosphate Batteries) are an extremely light weight battery designed with Intellignet BMS for starting applications and are a completely dry battery making them spill-proof and leak-proof. You must pick one up for yourself to truly understand how light they are compared to normal lead acid batteries. They are truly amazing.”

FEATURE

- ULTRA HIGH PERFORMANCE
- AUSTRALIA'S HIGHEST CRANKING BATTERIES
- HIGHER RESERVE CAPACITY
- STANDARD CHARGING SYSTEM
- EXTREMELY QUICK RECHARGE TIME
- INTELLIGENT BMS TECHNOLOGY
- ULTRA LIGHT WEIGHT
- HIGH RATE DISCHARGE LITHIUM CELLS
- DESIGN & BUILT TOUGH FOR AUSTRALIAN CONDITIONS
- DIRECT FIT REPLACEMENT
- MAINTENANCE FREE
- SUPERIOR DESIGN & QUALITY
- UNDER BONNET USE
- BLUETOOTH

CE UN38.3

—TRADING—
SINCE 1995

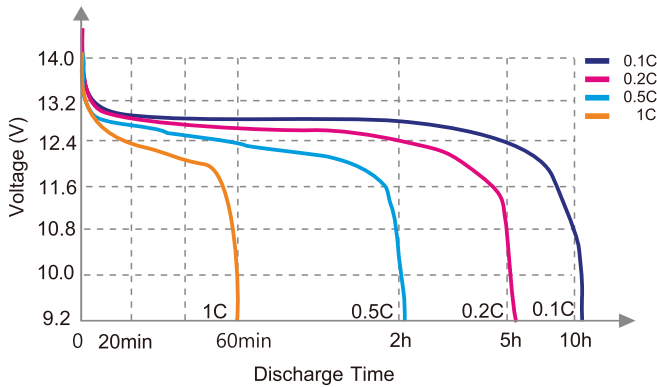
Head Office

Unit 30
76 Hume Highway
LANSVALE NSW 2166
Tel: (02) 9755 7851 Fax: (02) 9755 7852
www.superstart.com.au

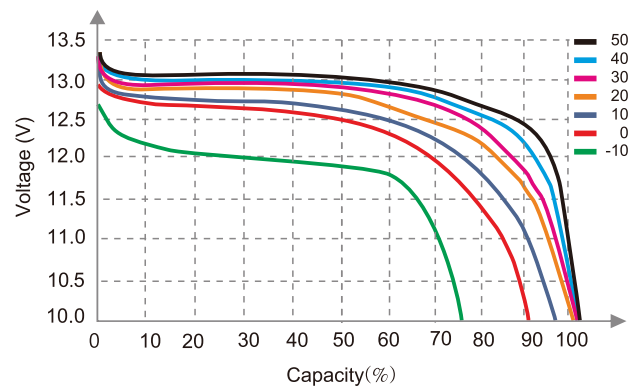


PERFORMANCE CHARACTERISTICS

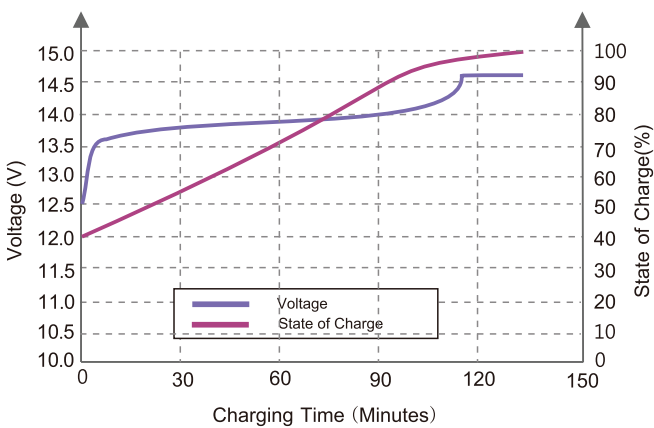
Different Rate Discharge Curve(25°C)



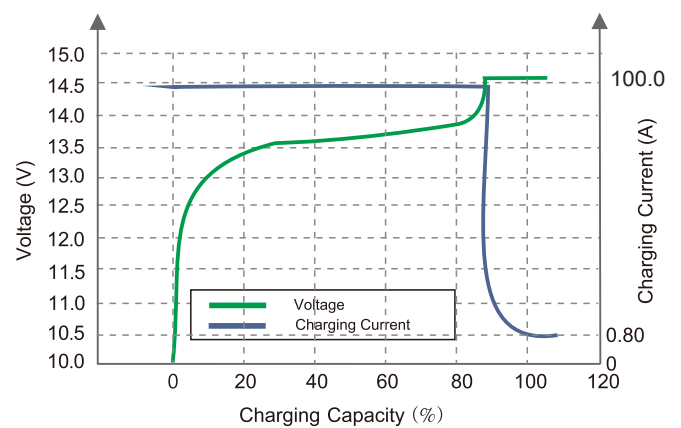
Different Temperature Discharge Curve(0.5C)



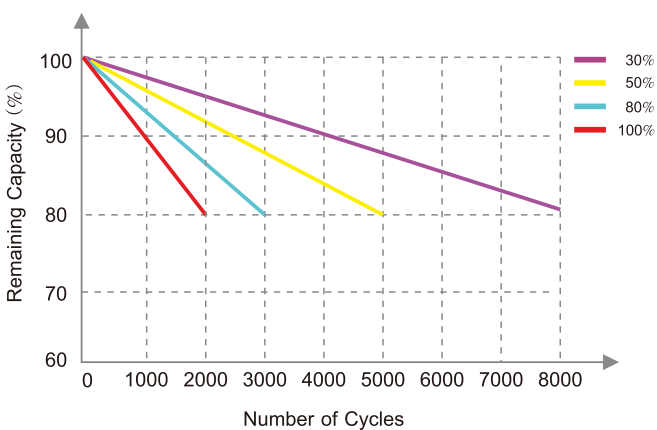
State of Charge Curve(0.5C, 25°C)



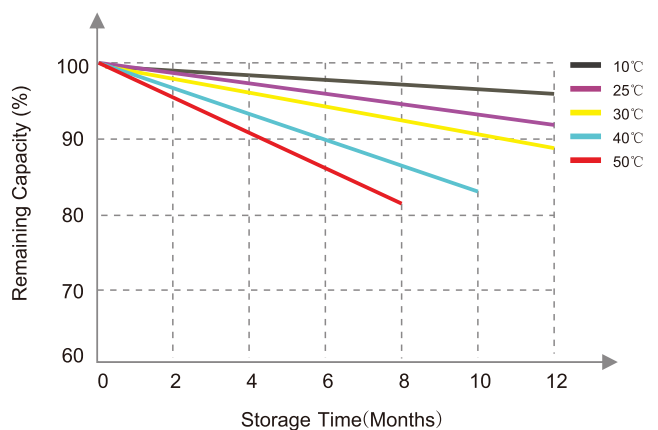
Charging Characteristics(0.5C, 25°C)



Different DOD Discharge Cycle Life Curve(1C)



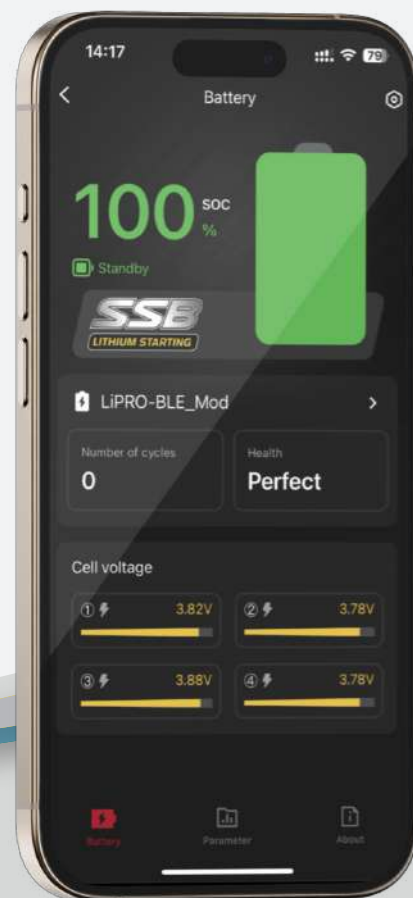
Different Temperature Self Discharge Curve



(Note) All above information shall be changed without prior notice, SSB reserves the right to explain and update the latest information

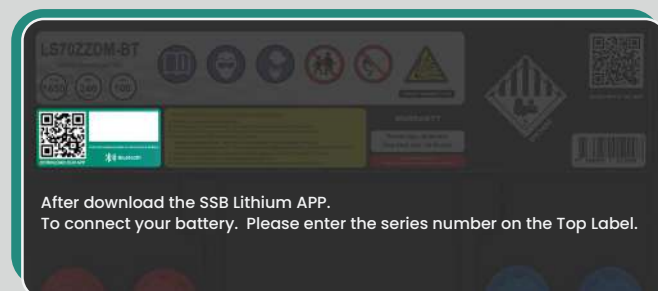
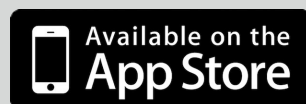
NEW APPS NEW EXPERIENCE

SSB Lithium APP, your ultimate companion for monitoring the status of your **SSB Lithium Starting battery** and BMS parameters. With cutting-edge technology, including the innovative JUMP START feature, it ensures your batteries stay active and responsive, ready to spring into action even when the BMS low Voltage protection is triggered. All of the datas can be showed on mobile through bluetooth.



FEATURES

- Activate Jump-Start feature
- Battery Capacity
- Battery Voltage
- Battery Current (Amps)
- Battery State of Charge (SOC)
- Battery State of Health (SOH)
- Battery Status
- Battery Temperature



Head Office

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