

SSB

LITHIUM STARTING



Designed For
Australian Conditions



Stop Start



Ultra High
Performance



Lithium



Long Life
Design



Sealed Design



Ultra
Lightweight

HIGH PERFORMANCE LITHIUM STARTING BATTERY

SPECIFICATION

Model	LS70ZZDM
Polarity	+ - (DUAL TERMINALS)
Battery Type	LiFePO4
Cell Type	Pouch Cells
Size	305*172*203*224mm
Weight	12.0kg
Rated Voltage	12.8V
Rated Capacity	100Ah
Reserve Capacity	240mins
CCA (-18°C)	1650A (15 seconds)
Interior Resistance	1.86mΩ
Recommend Charge Current	30A~100A
Maximum Constant Charge Current	300A
Maximum Constant Discharge Current	300A (20 minutes)
Maximum Instantaneous Discharge Current (-18°C)	1850A (5 seconds)
Max.Battery Connected In Series	2 units
Max.Battery Connected In Parallel	4 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	8.0V
Over Discharge Recovery Voltage	9.2V
Over Charge Protection Voltage	15.6V
Over Charge Recovery Voltage	15.2V
Charge discharge cycle	1500 Cycles Life @100% DOD
Self Discharge Rate	≤30 uA
Bluetooth	Optional

COMPLIANCE SPECIFICATIONS

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

LS70ZZDM



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

CE UN38.3

—TRADING—
SINCE 1995

Head Office

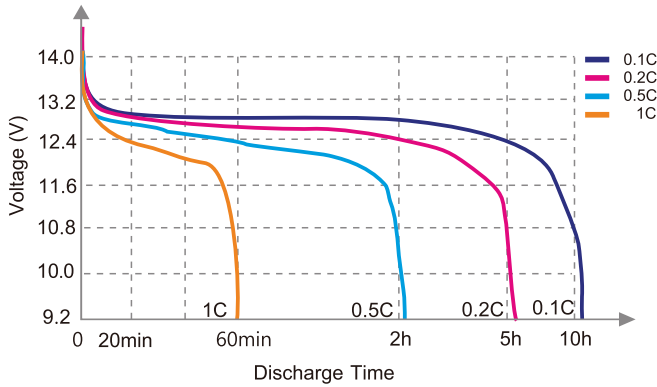
Unit 30
76 Hume Highway
LANSVALE NSW 2166
Tel: (02) 9755 7851 Fax: (02) 9755 7852
www.superstart.com.au



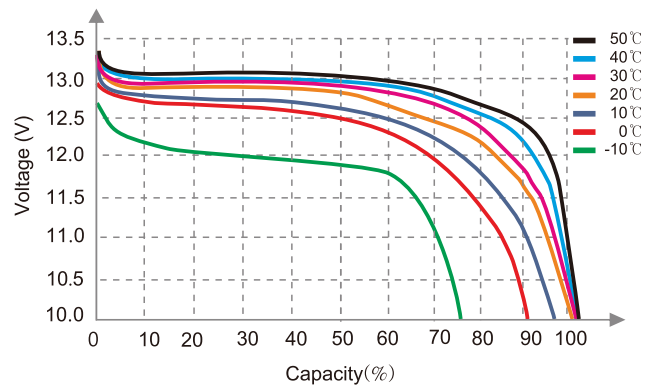
36 MONTHS WARRANTY

PERFORMANCE CHARACTERISTICS

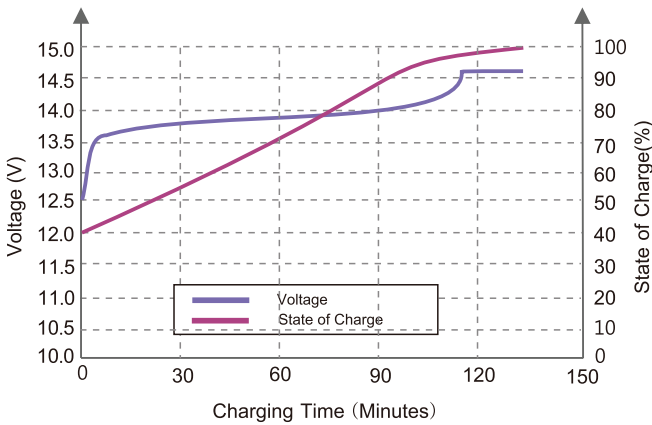
Different Rate Discharge Curve(25°C)



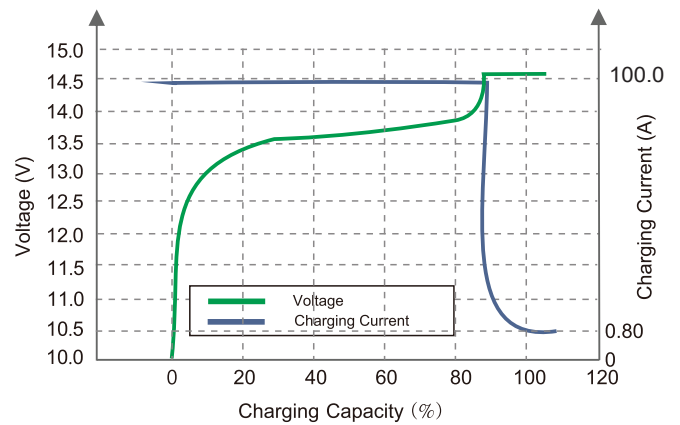
Different Temperature Discharge Curve(0.5C)



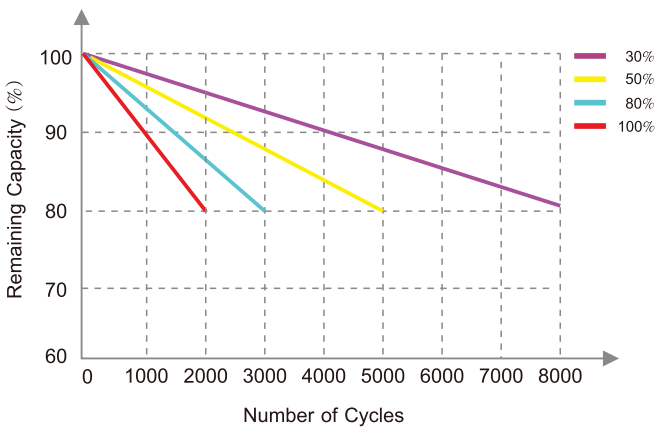
State of Charge Curve(0.5C, 25°C)



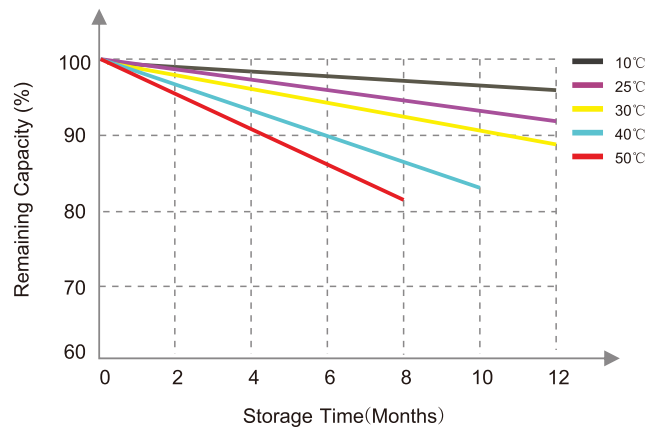
Charging Characteristics(0.5C, 25°C)



Different DOD Discharge Cycle Life Curve(1C)



Different Temperature Self Discharge Curve



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