



Designed For
Australian Conditions



Stop Start



Ultra High
Performance



Lithium



Marine



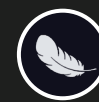
Deep Cycle



Long Life
Design



Sealed Design



Ultra
Lightweight

HIGH PERFORMANCE LITHIUM STARTING BATTERY

SPECIFICATION

Model	LS86C
Polarity	(Need Adaptors)
Type	LiFePO4
Cell Type	Cylindrical Cells
Size	330*175*216*237mm
Weight	13.5kg
Rated Voltage	12.8V
Rated Capacity	120Ah
Reserve Capacity	288 Mins
CCA (-18°C)	2000A (15 seconds)
Interior Resistance	1.50mΩ
Recommend Charge Current	36A~120A
Maximum Constant Charge Current	360A
Maximum Constant Discharge Current	≤360A (20 minutes)
Maximum Instantaneous Discharge Current (-18°C)	≤2200A (5 seconds)
Max. Battery Connected In Series	2 units
Max. Battery Connected In Parallel	4 units
Short Circuit Protection	Yes
High Temperature Protection	90°C (±5°C)
Low Temperature Protection	No
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	1800 Cycles Life @100% DOD
Self Discharge Rate	≤ 30uA
Adaptive Temperature	-20°C ~ 90°C
BlueTooth	Optional

COMPLIANCE SPECIFICATIONS

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

LS86C

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

- MARINE
- DEEP CYCLE
- 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

—TRADING—
SINCE 1995

Head Office

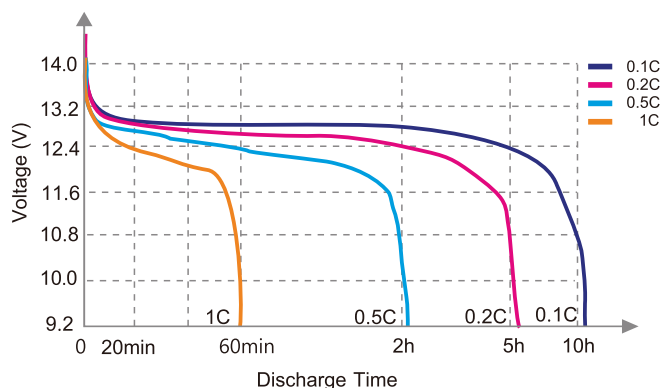
Unit 30
76 Hume Highway
LANSVALE NSW 2166
Tel: (02) 9755 7851 Fax: (02) 9755 7852
www.superstart.com.au



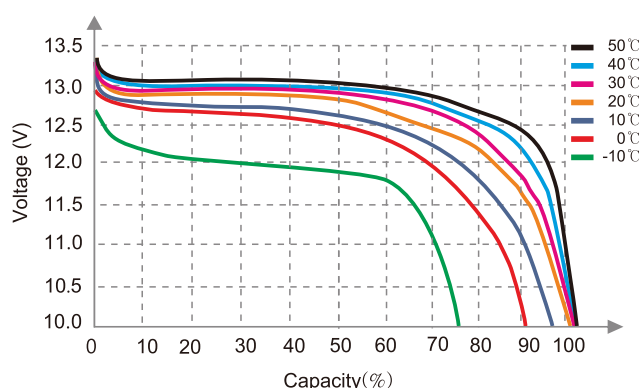
CE UN38.3

PERFORMANCE CHARACTERISTICS

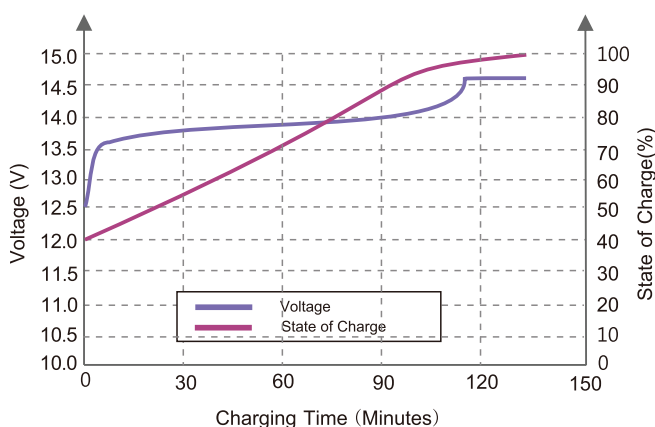
Different Rate Discharge Curve(25°C)



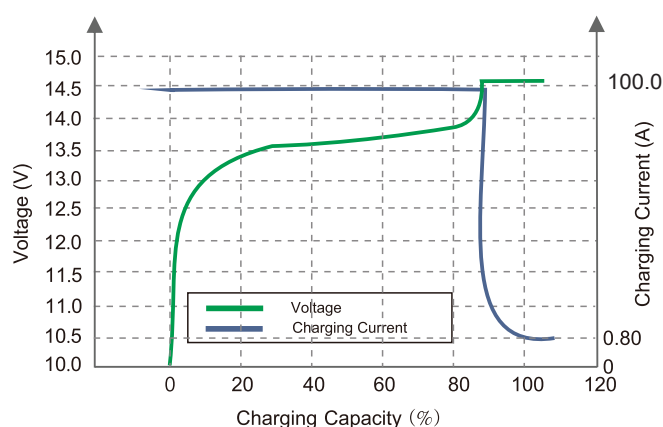
Different Temperature Discharge Curve(0.5C)



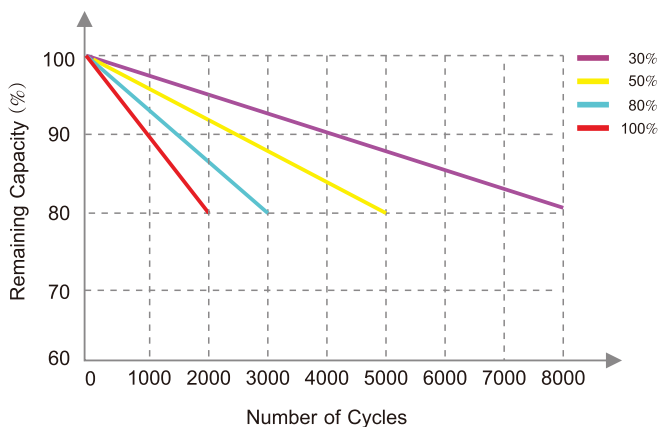
State of Charge Curve(0.5C, 25°C)



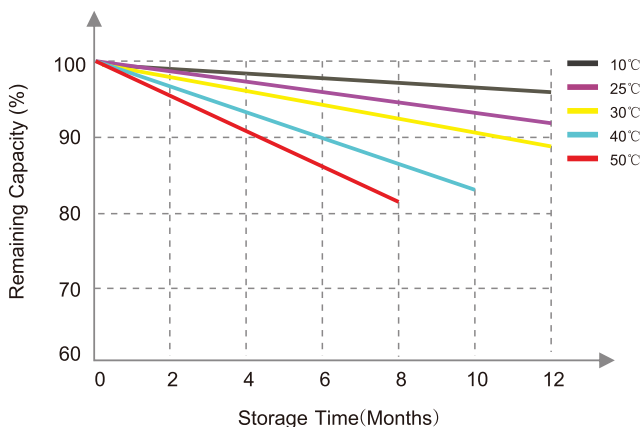
Charging Characteristics(0.5C, 25°C)



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