

ELECTRICAL SPECIFICATIONS

Nominal Capacity	10Ah
Nominal Voltage	12.8V
Discharge Energy	128Wh
Max. Charge Current	10A
Standard Cont. Discharge Current @25°C	2A
Max. Cont. Discharge Current @25°C	10A
Max. Pulse Discharge Current @25°C	20A
DC Resistance	≤80mΩ

MECHANICAL SPECIFICATIONS

Dimensions (L x W x H)	151 x 100 x 104mm
BCI Group U2	5.9 x 3.9 x 4.1in
Weight	1.5kg / 3.3lbs
Terminal Type	F2
Chemistry	LiFePO ₄

PERFORMANCE SPECIFICATIONS

100% DoD Cycles @ 25°C, 1C/1C	≥2000
Voltage Limit	8.0V ~ 14.6V
Charge Temperature Range	0°C ~ 45°C
Discharge Temperature Range	-20°C ~ 55°C

BATTERY MGMT. SYSTEM SPECIFICATIONS

Short Circuit Protection	YES
Over Charge Protection	15.6V ± 100mV (≤1.5s)
Reconnect Voltage	15.2V ± 200mV
Over Discharge Protection	8V ± 320mV (≤176ms)
Reconnect Voltage	8.8V ± 1.2V
Balancing Voltage	14.4V ± 100mV (53mA ± 10mA)
Over Temperature Protection	65°C ± 5°C (48°C ± 10°C release)
Over Current Protection	24A - 36A (≤48ms)

Note: maximum of 4 (packs) in series = 51.2v Nominal Charge
Also, maximum of 2 batteries in parallel.



Why Lithium-ion vs. SLA?

Increased Cycle Lives - 2,500+ full cycle lives versus 300 for an average SLA

Lighter and More Portable
- Up to 50% lighter than traditional SLA

High Efficiency Charging
- Much faster re-charge time vs. SLA

Extended Overall Battery Life Cycle
- Lasts 5X+ longer than an average SLA

Lower Overall Cost of Ownership
- Li-ion is actually less expensive over the lifetime of the battery vs. SLA

Safe w/ No Maintenance Required
- Sealed construction for safety, durability and requires no maintenance

12 YEAR WARRANTY!

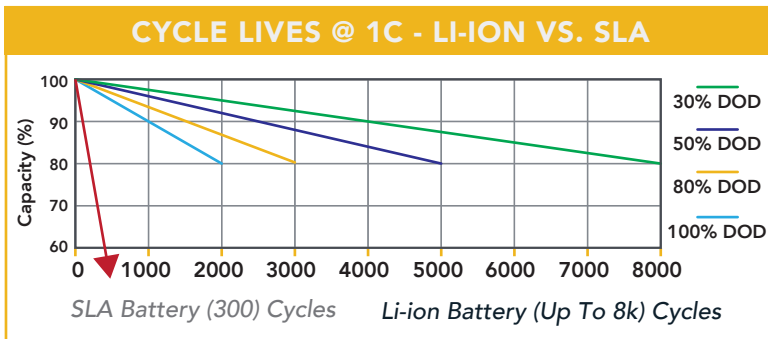


#551112

10Ah 12.8V



LC BATTERY PERFORMANCE vs. SLA



LI-ION VS. SLA INVESTMENT COMPARISON

LITHIUM ION

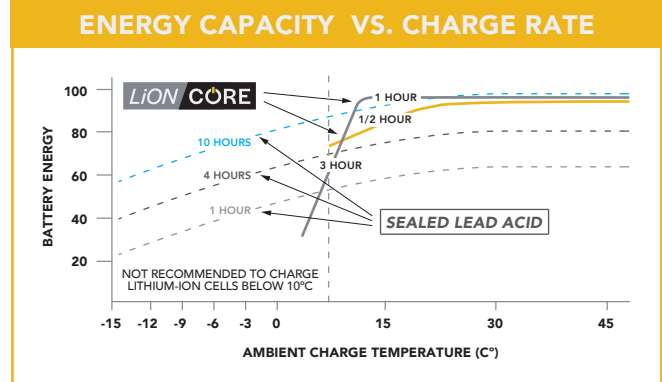
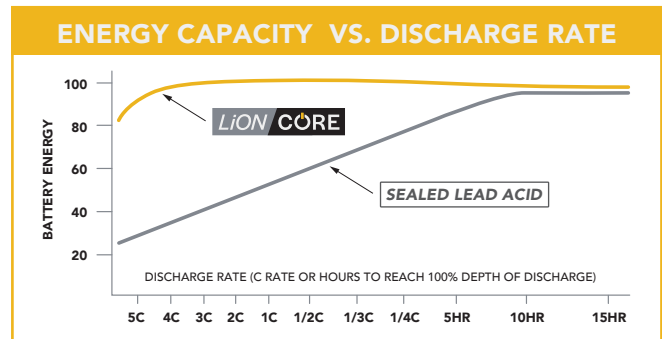
Li-ion provides maximum energy and consistent power much longer than SLA and at a lower overall cost (over the life of the battery)

\$ = 5-10 yr.

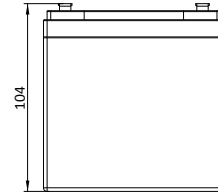
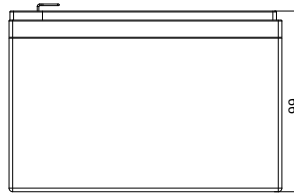
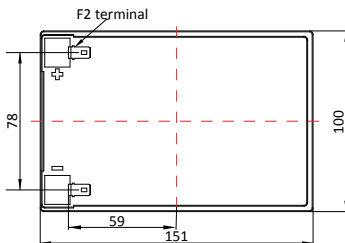
SEALED LEAD ACID

The average SLA battery requires replacement every 24 months (increasing overall costs)

\$\$+ = 5-10 yr.



MECHANICAL DRAWINGS (mm)



COMPLIANCE SPECIFICATIONS

Certifications	UN38.3, CE
Shipping Classifications	UN3480, Class 9
Product Number	551112

Note: maximum of 4 (packs) in series = 51.2v Nominal Charge
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LiONCore deep cycle batteries are not intended for cold-cranking use.



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VERTICAL PARTNERS WEST LLC



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