

DEL-LFP12V128BT



General Features

ELiVATE Lithium batteries stand out as the pinnacle of cutting-edge energy storage solutions, offering unparalleled advantages making them the best choice for a multitude of applications.

Benefits

- **Lithium ion phosphate** (LiFePO4) chemistry, renowned for its inherent stability and resistance to thermal events.
- **Exceptional lifespan** enabling an increased number of charge/discharge cycles without significant degradation.
- **High energy density** to pack more power, ensuring extended runtime for various devices and applications.
- **Around 50% lighter** than the lead-acid replacement.
- **Rapid charging** capabilities make them ideal for fast-paced lifestyles and reduced downtime.
- **Environmentally friendly** chemistry aligns with sustainable values, making them the ethical choice.
- **Low self discharge** rate ensures consistent performance over extended periods of storage.
- **Internal Battery Management System** to ensure the cells remain protected and balanced.
- **Bluetooth enabled** to allow all the information you need at your fingertips.
- **Certified** and tested to international standards UN38.3, UL1642 + more.



**MORE
CYCLES**



**LONGER
LIFE**



**FASTER
CHARGING**



**INTERNAL
BMS**



**LIGHT-
WEIGHT**



**BLUE-
TOOTH**

Applications

- Caravan
- Boating
- 4WD and leisure
- Solar
- Backup power
- Electric vehicles

Electrical Specifications

Nominal Voltage 12.8V

Nominal Capacity 128Ah (C5)

Nominal Energy 1638Wh

Internal Impedance $\leq 35\text{m}\Omega$

Series / Parallel Modules - 4S & 4P

Mechanical Specifications

Dimensions (L x W x H) $\pm 3\text{mm}$ 307mm x 169mm x 208mm

Weight 14kg

Terminal Type M8 threaded hole

Case Material ABS

Cell Type/Chemistry Cylindrical - LiFePO4

Charge Specifications

Recommended Charge Voltage $14.4 \pm 0.15\text{V}$

Charge Algorithm LiFePO4 Lithium

Recommended Charge Current $\leq 64\text{A}$

Discharge Specifications

Normal Current $\leq 64\text{A}$

Maximum Continuous Discharge Current 120A ($\leq 20\text{min}$)

Standard Cutoff Voltage 10V

Temperature Specifications

Charge Temperature $0\text{C} - 45\text{C}$

Discharge Temperature $-20\text{C} - 60\text{C}$

Storage Temperature $0\text{C} - 40\text{C}$

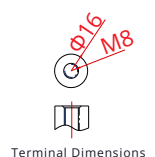
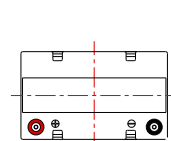
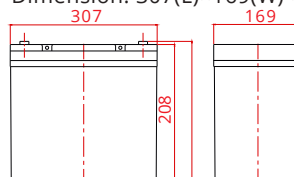
Optimal Storage Temperature $15\text{C} - 25\text{C}$

Bluetooth Specifications

iPhone App Store

Android Google Play Store

Dimension: 307(L) x 169(W) x 208(H) Unit: mm

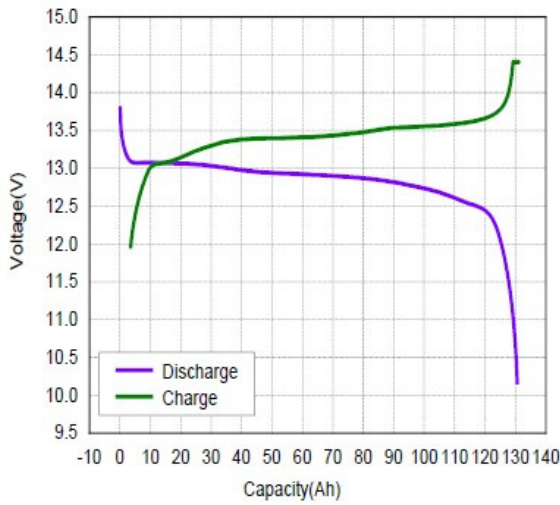


Terminal Dimensions

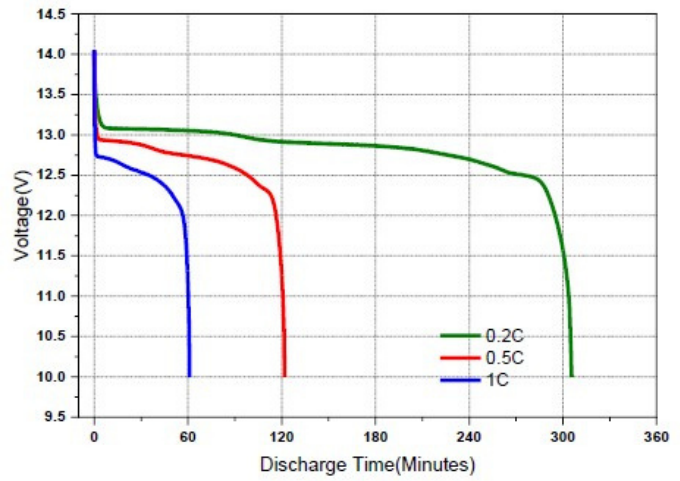
For warranty terms & conditions, visit www.deltecbatteries.com.au

1.2 Characteristics Curve

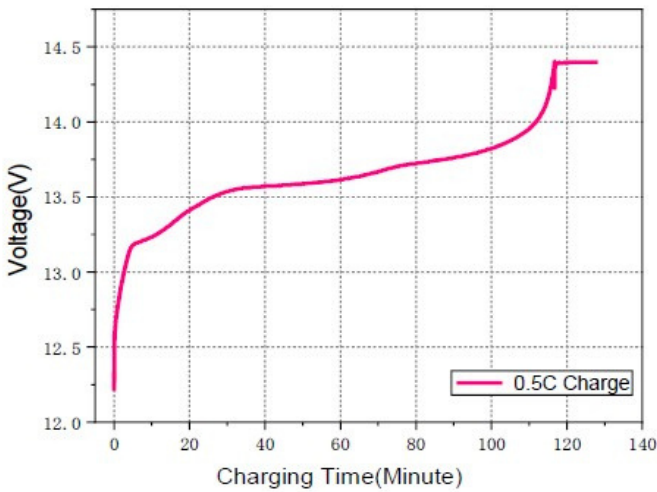
Charge-Discharge Curve 0.2C, 25°C



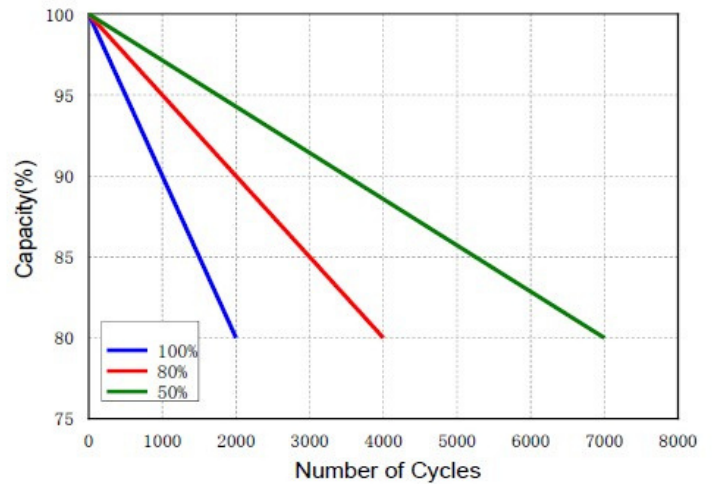
Different Rate Discharge Time & Voltage Curve, 25°C



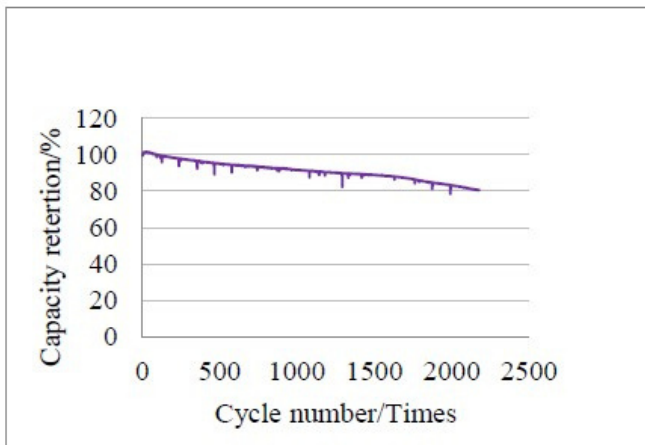
Voltage & Charging Time Curve, 0.5C, 25°C



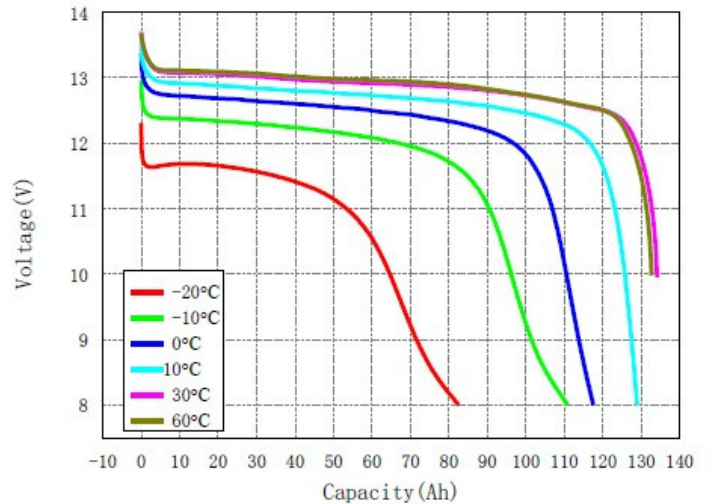
Different DOD Discharge Cycle Life Curve



Cycles & Capacity Retention Rate, 0.2C



Discharge Curves at Different Temperature



For warranty terms & conditions, visit www.deltecbatteries.com.au