



ELECTRICAL PERFORMANCE

Nominal Voltage	12.8 V
Nominal Capacity	100 Ah
Capacity@ 20A	300 min
Energy	1280 Wh
Resistance	≤10 mΩ
Self Discharge	<3%/Month
Bluetooth Enabled	Yes

CHARGE PERFORMANCE

Recommended Charge Current	<50A
Maximum Charge Current	100A
Recommended Charge Voltage	14.6 V
BMS Charge Cut-Off Voltage	<15.2 V (0.5 - 1.5s)
Reconnect Voltage	>14.4 V
Balancing Voltage	<14V
Maximum Batteries in Series	4
Maximum Batteries in Parallel	4

DISCHARGE PERFORMANCE

Continuous Discharge Current	50A
Max Discharge Current	100A
BMS Discharge Cut-Off Current	300A (5 ~15ms)
Recommended Low Voltage BMS Disconnect	10V
Discharge Cut-Off Voltage	>8.4 V (50 ~ 150 ms)
Reconnect Voltage	>10V
Short Circuit Protection	200 ~ 600 μs

MECHANICAL PERFORMANCE

Dimensions (L xW xH)	307*169*208mm
Approx. Weight	10.1 kg
Terminal Type	M8
Terminal Torque	80 ~ 100 in-lbs (9 ~ 11 N-m)
Case Material	ABS
Enclosure Protection	IP65

TEMPERATURE PERFORMANCE

Discharge Temperature	-4 ~ 140 °F (-20 ~ 60 °C)
Charge Temperature	32 ~ 113 °F (0 ~ 45 °C)
Storage Temperature	23~95°F(-5 ~ 35°C)
BMS High Temperature Cut-Off	149°F (65 °C)
Reconnect Temperature	118 °F (48 °C)

The **DELTEC 12V 100Ah lithium battery** - where state-of-the-art technology meets relentless power. Engineered to redefine your energy storage experience, this advanced lithium battery is designed to deliver unparalleled performance and reliability. Compact and lightweight, the battery packs a punch, providing an efficient and long-lasting power solution for a wide range of applications.

Designed with precision and durability in mind, it boasts an extended cycle life, allowing you to harness its energy potential for years to come. The integrated Battery Management System (BMS) ensures optimal performance, protection against overcharging, discharging, and temperature fluctuations, guaranteeing a safe and reliable power source.

FEATURES



High cycle life

>3000 cycles @100% DoD for effectively lower total cost of ownership.



Longer service life

Low maintenance batteries with stable chemistry. Easily monitor state of charge (SoC) of smart models.



Built in circuit protection

Battery Management Systems (BMS) are incorporated against abuse.



Better storage

Up to 6 months thanks to its extremely low self discharge (LSD) rate and no risk of sulphation.



Quickly recharge

Save time and increase productivity with less downtime thanks to superior charge/discharge efficiency.



Extreme heat tolerance

Suitable for use in a wider range of applications where ambient temperature is unusually high: up to +60°C.



Light weight

Lithium batteries provide more Wh/Kg while also being up to a 1/3 the weight compared to its SLA equivalent.

COMPLIANCE

Certifications	<ul style="list-style-type: none"> • CE, UN38.3 • UL1642 • IEC62133 & IEC62619 (cell)
Shipping Classification	<ul style="list-style-type: none"> • UN3480 • CLASS9

APPLICATIONS

- Caravan / RV / 4WD
- Marine / Boating
- Electric Vehicle
- Solar Storage
- Remote Monitoring
- Lighting & Medical Equipment

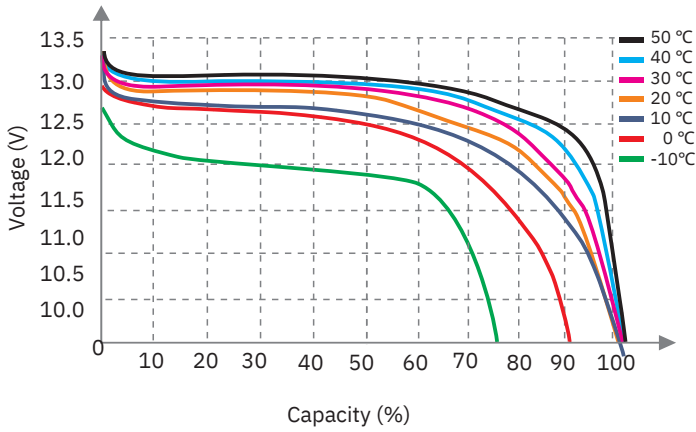
CAUTIONS

- Do NOT short-circuit, crush or disassemble.
- Do NOT heat or incinerate.
- Do NOT immerse in any liquid.
- Store at 50% capacity. Recharge every 3 months. The storage area should be clean, cool, dry and ventilated.

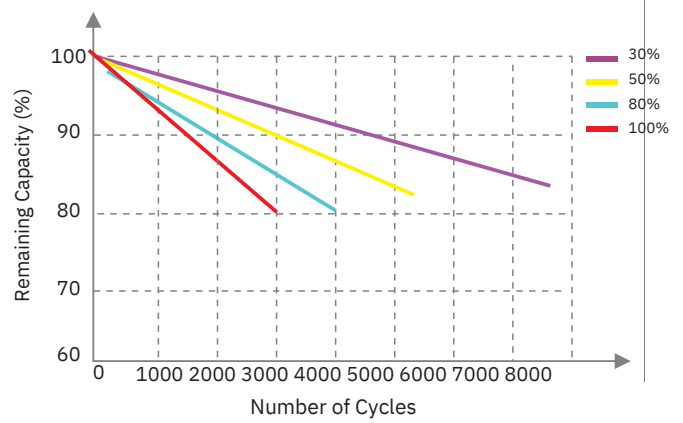
For warranty terms & conditions, visit www.deltecbatteries.com.au

Performance may vary depending on application. All specifications are subject to change without prior notice to the user. This data is for evaluation purposes only. No guarantee is intended or implied by this data. For clarification and updated information, please contact us.

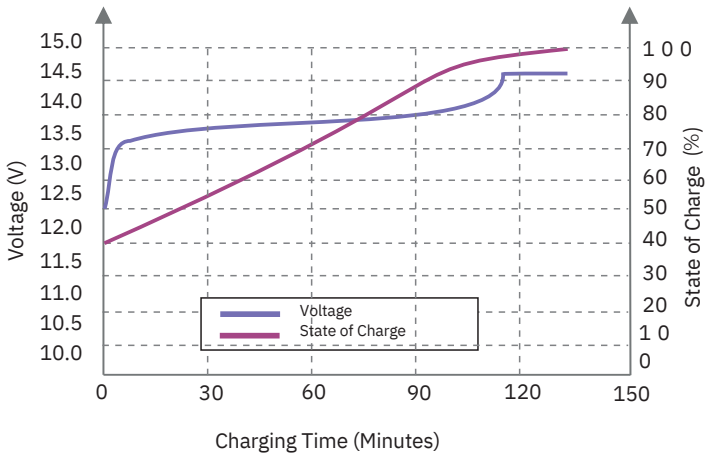
Different Temperature Discharge Curve (0.5C)



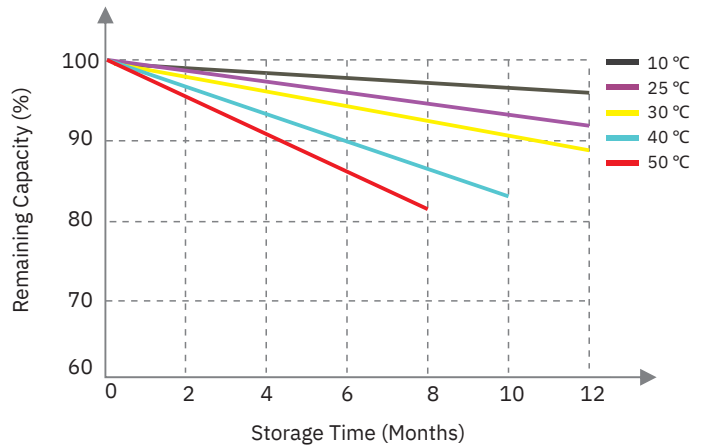
Different DOD Discharge Cycle Life Curve (1C)



State of Charge Curve (0.5C, 25C)



Different Temperature Self Discharge Curve



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