

# DRIFTECO

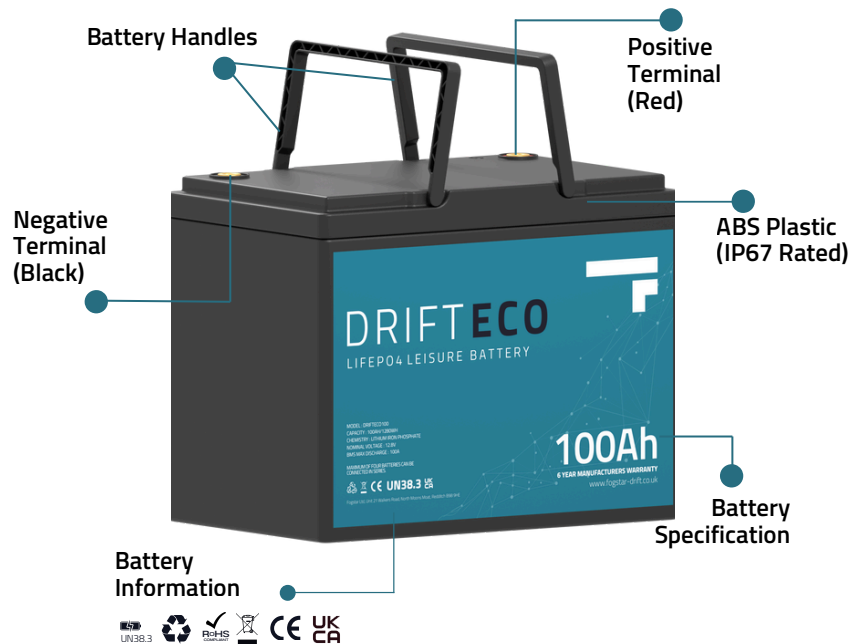
LIFEPO4 LEISURE BATTERY



The Fogstar Drift App is your go-to tool for monitoring and managing your Drift battery. Designed with clarity and simplicity in mind, the app gives you direct access to real-time data from your battery's internal Battery Management System (BMS).



**It's crucial to avoid discharging your lithium battery below 12V to prevent irreversible damage.**



## BATTERY MONITORING

The Fogstar Drift ECO is a reliable, cost-effective solution for everyday off-grid power needs.

This updated version now includes Bluetooth connectivity, allowing you to monitor the battery directly from your smartphone using the Fogstar app. You can monitor state of charge (SOC) and key battery parameters using the following methods:

- Fogstar App: View live battery data via your mobile device, including SOC, voltage, current, temperature, and protection status.
- Battery Shunt: A hardware device installed in-line with the battery cables. It measures current flow and calculates remaining capacity based on charged and discharged amp-hours.
- Battery Monitor: A dedicated display unit providing a clear overview of battery parameters such as SOC, voltage, current, temperature, and cycle count.

## ABOUT YOUR JBD BMS

Short Circuit Protection	Yes
Temperate Protection	Yes
Over Current Protection	Yes
Over Discharge Protection	Yes

## SERIES & PARALLEL

Connect up to;

- 4 batteries in series
- 16 batteries in parallel

## CHARGING PARAMETERS

Your battery should be charged using a lithium iron phosphate (LiFePO4) battery charger.

Bulk Charge : 14.2V - 14.4V

Float Charge : 13.5V - 13.8V

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## TEMPERATURE TOLERANCES

- **Charging:** This battery does not contain an internal heating element for low-temperature operation. To ensure optimal battery health and lifespan, avoid charging the battery below 0°C (32°F).
- **Discharging:** The Drift ECO battery performs well in cold environments, with a discharge temperature range down to -20°C (-4°F).
- **JBD BMS Protection:** Even though charging at low temperatures is not recommended, the integrated JBD BMS safeguards the battery by preventing charging if the temperature falls below the safe operating range. This BMS protection ensures the battery is not damaged by accidental charging in cold conditions.



## BATTERY WARRANTY

- Fogstar offers a 6 year warranty on all Fogstar Drift ECO Leisure batteries.
- Warranties only apply to the original owner and are non-transferrable.
- Fogstar will verify your purchase prior to processing any warranty claims or returns.
- Please contact us at [customerservice@fogstar.co.uk](mailto:customerservice@fogstar.co.uk) as soon as you encounter any issues.
- Our warranty does not cover items that have been damaged due to gross negligence, normal wear and tear, damage due to accident or collision, abuse or incorrect installation.

## BATTERY STORAGE

We strongly suggest your batteries are stored at room temperature, charged to about 30% to 50% of capacity.

We recommend that batteries be charged once every three months to prevent over discharge. Fully charge the battery to 14.2V when it is removed from storage.

## GET IN TOUCH

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