FOGSTARDRIFT GEN2

LITHIUM LEISURE BATTERY

24V 300Ah

LiFePO4 | Bluetooth | Heating | Battery Linking | Victron Integration | 0.2 Shunt Accuracy

300Ah | 300A Discharge | 4000 Cycles | 7,680Wh | 2A Active Balancer | EVE Prismatics





UN38.3

Specifications	
Cell Type	LF304
Cell Configuration	8S1P
Nominal Capacity	300Ah
Energy	7,680Wh
Cell Chemistry	Lithium Iron Phosphate
Cell Nominal Voltage	3.2V *8 (25.6V)
Cycle Life	4500 Cycles @ 80% DOD
Maximum Discharge	300A
Maximum Charging Current	300A (1C)
Nominal Voltage	25.6V
Standard Charging Voltage	28.8V
Maximum Charging Voltage	29.2V
Discharge Cut Off Voltage	20V
Discharge Temperature Range	-20°C ~ 55°C
Charge Temperature Range	0°C ~ 55°C
Heating Function	0°C ~ 10°C
Storage	-20°C ~ 45°C (1 month) 0°C ~ 35°C (3 months)
Measurements (LxWxH mm)	635 x 244 x 220
Weight	52kg
Housing Material	ABS Plastic

BMS Specifications	
Maximum Discharge	300A
Temperate Protection	Yes
Overcurrent Protection	Yes
Overdischarge Protection	Yes
Max Charging Current	300A

POWERED BY EVE PRISMATICS

Our long-standing relationship with EVE has allowed us to supply thousands of their prismatic cells to end users, businesses and commercial suppliers over many years.

After working closely with EVE for many years, we know their cell chemistry and technical parameters inside out. This makes them the ideal partner for our Fogstar Drift Leisure Battery range.

QUALITY AS STANDARD

All Drift Gen2 batteries are manufactured to rigorous safety and compliance standards.

Each unit is supported by full MSDS documentation, certified to UN38.3 transport testing and marked in accordance with CE requirements. This ensures every battery meets stringent benchmarks for quality, safety and reliability.

FOGSTARDRIFT GEN2

LITHIUM LEISURE BATTERY

24V 300Ah

Storing your Battery

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.

Battery Performance

Because Lithium Iron Phosphate batteries utilise a chemical reaction, battery performance will deteriorate over time even if stored for long periods of time without being regularly used.

In addition, if the various usage conditions such as charge, discharge, ambient temperature, etc. are not maintained within the specified ranges, the life expectancy of the battery may be shortened, or the device in which the battery is used may be damaged by electrolyte leakage.

If the batteries cannot maintain a charge for long periods of time, even when they are charged correctly, this may indicate it is time to change the battery.

Battery Safety

- Do not disassemble your battery.
- Do not short the battery.
- Do not store your batteries in direct sunlight.
- Store the battery in a cool and well ventilated area.
- Keep batteries away from flammable objects and materials.
- Keep batteries away from static electric charges.
- Keep out of reach from animals and children.
- Do not immerse your battery in water.
- Do not crush, incinerate or modify your battery.
- Only use batteries within the manufacturers specifications.
- Recycle your batteries correctly.

Battery Series and Parallel Mode

Our 24V models can be connected sixteen (16) in parallel OR two (2) in series - to a maximum of 48V.

Battery Heating

This battery has a built-in heater that heats the battery to 5°C to enable charging at low temperatures.

The Drift heating pads are only activated when the battery is being charged, and are only powered by the incoming charge current, not the battery itself. If you put the battery on charge in cold temperatures, it will heat the battery first, and then allow current through to the battery when the temperature is safe enough to do so.

Charging

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

Bulk Charge: 28.8V
Float Charge: 27V
Charging Current: up to 300A

Battery Warranty

- Fogstar offers a 10 year warranty on all Fogstar Drift 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 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.

Download the Fogstar Drift App

As a Fogstar customer, you'll also get the use of our fantastic Fogstar Drift App. Our App has been custom built to connect directly with the BMS, allowing you to manage and maintain the health of the battery at all times.

The Fogstar Drift app is free to download on both Android and iOS.

Active Balancing

All cells used in the Gen2 range are Grade A, factory-matched and balanced EVE prismatic cells. - supplied directly from the manufacturer. This ensures your battery begins life with optimal uniformity in capacity and internal resistance.

The 2A active balancer is fully integrated within the BMS architecture, rather than implemented as an external module. It engages only when cell deviation exceeds the defined threshold of 0.015V, and operates with minimal power draw. The system maintains long-term voltage equilibrium across the pack without continuous current consumption, and without requiring any user intervention.