

DRIFTPRO GEN2

Drift PRO Gen2 12V 460Ah Specification
Powered by EVE Prismatic

DRIFT PRO GEN2 12V 460AH



SPECIFICATIONS

CELL TYPE	LF230-54174/3.2V
CELL CONFIGURATION	4S2P
NOMINAL CAPACITY	460AH
ENERGY	5888WH
CELL CHEMISTRY	LITHIUM IRON PHOSPHATE
CELL NOMINAL VOLTAGE	3.2V *8 (12.8V)
CYCLE LIFE	4500 CYCLES @ 80% DOD
MAXIMUM DISCHARGE	300A
MAXIMUM CHARGE CURRENT	230A (0.5C)
STANDARD CHARGING CURRENT	92A (0.2C)
NOMINAL VOLTAGE	12.8V
STANDARD CHARGING VOLTAGE	14.4V
MAXIMUM CHARGING VOLTAGE	14.6V
DISCHARGE CUT OFF VOLTAGE	10V
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	HEIGHT 280MM (±1.0MM) LENGTH 531MM (±1.0MM) THICKNESS 205MM (±1.0MM)
WEIGHT	47.3KG
HOUSING MATERIAL	METAL
CONFORMITY	UN38.3, ROHS, CE, UL, UKCA

BMS

MAXIMUM DISCHARGE	300A
TEMPERATE PROTECTION	YES
OVER CURRENT PROTECTION	YES
OVER DISCHARGE PROTECTION	YES
MAX CHARGING CURRENT	300A



    **UN38.3**

DRIFT PRO GEN 2

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 HEATING

This battery has a built-in heater that heats the battery to 5C 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.

ACTIVE BALANCING

Every Drift PRO Gen2 battery features built-in Active Balancing - automatically detecting and correcting voltage differences between cells to keep performance smooth and consistent.

CHARGING

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

Bulk Charge: 14.2V - 14.4V

Float Charge: 13.5V - 13.8V

Charging Current: up to 300A

BATTERY WARRANTY

- Fogstar offers a 10 year warranty on all Fogstar Drift Leisure batteries - [please read our warranty policy here](#).
- 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 benefit from access to our powerful Fogstar Drift App — a bespoke platform designed to integrate seamlessly with your battery's BMS.

The app provides real-time insights, enabling you to monitor and maintain optimal battery performance at all times. The Fogstar Drift App is available free of charge on both Android and iOS devices.

COMMUNICATIONS

The Drift PRO supports linking of multiple batteries for seamless integration with Victron systems. Communication across the battery bank is unlimited, enabling full visibility and control.

The system automatically detects the master battery, eliminating the need for manual configuration.

With Drift Gen 2, multiple batteries can be monitored by using RJ45 cables to connect the batteries in a chain, from Port A to Port B - there are no limits to the number of units that can be connected in this way. Each battery passes communication through to the next, forming a robust and scalable data network.