

FOGSTAR DRIFT 48V 125AH SPECIFICATION

FOGSTAR DRIFT 48V 125AH QUICK SPECS



FULL SPECIFICATIONS

CELL INFORMATION	
Nominal Capacity	125Ah
Energy	6400Wh
Cell Chemistry	Lithium Iron Phosphate
Cycle Life	≥4000 cycles @ 0.5C
Maximum Discharge	150A
Nominal Voltage	51.2V
Discharge Cut Off Voltage	40V
Discharge Temperature Range	-20C to 60C
Charge Temperature Range	-20 to 60C (Heater Enabled)
Storage	10C to 35C @ 50% SOC
Measurements (mm)	L (640mm) x W (245mm) x H (220mm)
Weight	50kg
Material	ABS Plastic
Conformity	UN38.3, ROHS, CE, UL
Communications	RS485/CAN
Protocols	Victron, Sofar, Pylontech, Growatt, Solis, Goodwe.

BMS INFORMATION	
Maximum Discharge	150A
Temperate Protection	Yes
Over Current Protection	Yes
Over Discharge Protection	Yes
Max Charging Current	150A



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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.
- Never leave a battery unattended whilst charging.
- 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 Parallel

These batteries can be connected up to 16 in parallel. They cannot be connected in series.

Heating Function

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

Charging

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

Bulk Charge: 56.8V – 57.6V

Float Charge: 54.0V – 55.2V

Charging Current: up to 150A

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.

You can find out more about the Fogstar Drift App at our dedicated Fogstar Drift website www.fogstar-drift.co.uk.

