FOGSTARDRIFT

Fogstar Drift 230 Specification

Powered by EVE Prismatics

FOGSTAR DRIFT 230 *QUICK SPECS*

LiFePO4 Lithium	230 AH	6000 Cycles	200A Discharge	2944 Watts	Built-In Heating	Built-In Bluetooth

This battery has a built-in heater that heats the battery to 5 C to enable charging at low temperatures. You can connect to this battery via bluetooth with an app that gives you realtime battery statistics.

Full Specifications

Cell Information	
Cell Type	Grade A EVE LF230
Cell Configuration	4S1P
Nominal Capacity	230Ah
Energy	2944Wh
Cell Chemistry	Lithium Iron Phosphate
Cell Nominal Voltage	3.2V *4 (12.8V)
Cycle Life	3500 Cycles @ 100% 6000 Cycles @ 80% 10000 Cycles @ 50%
Maximum Discharge	200A
Maximum Charge	200A
Nominal Voltage	12.8V
Discharge Cut Off Voltage	10V
Discharge Temperature Range	-20C to 60C
Charge Temperature Range	-20 to 60C (Heater Enabled)
Storage	10C to 35C @ 50% SOC
Measurements (mm)	L(345mm) x W (190mm) x H (245mm)
Weight	25kg
Housing Material	ABS Plastic
Conformity	UN38.3, ROHS, CE, UL

UN38.3 RoHS COMPLIANT

BMS Information	
Maximum Discharge	200A
Peak Current	400A
Temperate Protection	Yes
Over Current Protection	Yes
Over Discharge Protection	Yes
Max Charging Current	200A

Our pre-existing relationship with EVE has seen us supply thousands of prismatic cells to end users, businesses and commercial suppliers over an extensive period of time.

Having worked with EVE, we have a comprehensive understanding of the cell chemistry and technical specifications - making EVE the perfect partner for our Fogstar Drift Leisure Battery range.

Many leisure battery suppliers simply won't know which cells are being used at the assembly phase, nor will they understand the grading, quality processes or what configuration is being used. This is why we've been involved since the inception of our product, selecting each component, from the prismatics, to the BMS and heating components - to create the ultimate leisure battery.

We use only high quality Grade A EVE LiFePo4 prismatic cells in our leisure batteries.

EVE

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 Series and Parallel Mode

Battery modules can be used simultaneously four (4) in series, and four (4) in parallel connection.

Charging

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

Charging Voltage 14.4V
Recommended : 14.4V Bulk, 14.4V Absorption & 13.8V Float
Charging Current : up to 200A

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.
- If it is determined that the product is faulty, we will ship a new product to you immediately, you will only be asked to cover the cost of the shipping.
- 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.

FOGSTARDRIFT

Google Play

App Store