

FOGSTAR DRIFT 105  
**QUICK SPECS**

-   
**LiFePO4  
Lithium**
-   
**100Ah**
-   
**3500  
Cycles**
-   
**150A  
Discharge**
-   
**1200  
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 Configuration	4S1P
Nominal Capacity	100Ah
Energy	1200Wh
Cell Chemistry	Lithium Iron Phosphate
Cell Nominal Voltage	3.2V *4 (12.8V)
Cycle Life	3000 @ 80% DOD
Maximum Discharge	150A
Maximum Charge	150A
Nominal Voltage	12.8V
Discharge Cut Off Voltage	10V
Discharge Temperature Range	-20C to 60C
Charge Temperature Range	-10C to 60C (Heater Enabled)
Storage	10C to 35C @ 50% SOC
Measurements (LxWxH in mm)	260mm x 168mm x 209mm
Weight	10KG
Housing Material	ABS Plastic
Conformity	UN38.3, ROHS, CE, UL

BMS Information	
Maximum Discharge	150A
Temperate Protection	Yes
OverCurrent Protection	Yes
OverDischarge Protection	Yes
Max Charging Current	150A



### 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 - up to 48V, 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 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.
- 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.

