

FOGSTAR DRIFT 24V 280
QUICK SPECS

 LiFePO4 Lithium	 280 AH	 8000 Cycles	 200A Discharge	 7168 Watts	 Built-In Heating	 Built-In Bluetooth
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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 to the Fogstar Drift app, to obtain realtime battery statistics.

Full Specifications

Cell Information	
Cell Type	Grade A EVE LF280K
Cell Configuration	8S1P
Nominal Capacity	280Ah
Energy	7168Wh
Cell Chemistry	Lithium Iron Phosphate
Cell Voltage	3.2V *8 (25.6V)
Cycle Life	8000 Cycles @ 80% DOD
Maximum Discharge	200A
Maximum Charge	200A
Nominal Voltage	25.6V
Discharge Cut Off Voltage	20V
Discharge Temperature Range	-20C to 60C
Charge Temperature Range	-20 to 60C (Heater Enabled)
Storage	10C to 35C @ 50% SOC
Measurements (mm)	L(640mm)*W(245mm) *H(220mm)
Weight	50kg
Housing Material	ABS Plastic
Conformity	UN38.3, ROHS, CE, UL



BMS Information	
Maximum Discharge	200A
Peak Current	400A (3 s)
Temperature 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 prismatic cells, 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



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.
- 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.

Terminals

The battery terminals are all M8 in size, 1.25 pitch, 12mm. All of our Drift Leisure batteries come with bolts as standard.

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: 29.2V

Recommended: 29.2V Bulk, 28.4V Absorption & 27V 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.

