



# 270Ah 12V LiFePO<sub>4</sub> Deep Cycle Battery

## Model DF8D

The new DF8D may look like your everyday 8D battery, but that is where the similarities end.

This 12V deep cycle battery is rated for 270Ah and weighs roughly 80 lbs. That's over 50 lbs lighter than a standard lead-acid 8D, with more than twice the usable capacity.

Utilizing the same stable LiFePO<sub>4</sub> chemical composition and built-in battery management system (BMS) technology as our other products, the DF8D is truly the biggest bang for your buck.

The DF8D is perfect for large marine applications or for off-grid applications. This battery is capable of being discharged to a 100% depth of discharge and charges 5 times faster than lead-acid.

With the DF8D, the switch to lithium has never been easier.



### Specifications

- 270 Amp Hour, 12 Volt Battery
- LiFePO<sub>4</sub> Chemistry
- 3000-5000 Cycles
- Dimensions (L x W x H): 21.29" x 11.59" x 10.01"
- 81.4 lbs.
- Operating Temp Range: -4°F (-20°C) to 135°F (57.2°C)
- Water Resistant and Sealed (Batteries should not be submerged)
- Built-in BMS (Battery Management System)

### Charging Parameters

- Absorption Voltage: 14.2V to 14.6V
- Float Voltage: 13.4V to 13.8V
- Equalization Voltage: 14.4V (if Applicable)
- Absorption Time: 60 to 90 minutes per 270Ah battery bank
- No Temperature Compensation

### Built-in Battery Management System

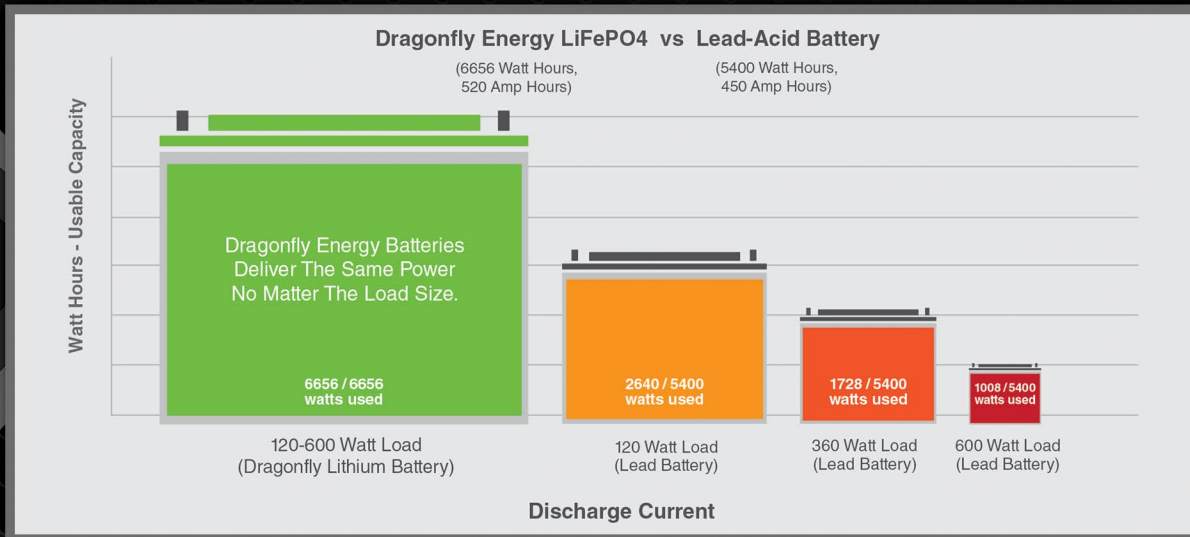
- 300 Amps Continuous
- 500 Amps Surge for 30 Seconds
- ½ Second Surge for Loads Over 500 Amps
- High/Low Voltage Protection
- Short Circuit Protection
- High/Low Temperature Protection
- Cold Charging Protection
- Automatic Cell Balancing at Top of Charge

Please Note: This built-in protection will reset after 5 seconds in most fault conditions. Disconnecting the battery from loads will also reset the BMS.

# Leading the "Lead is Dead" Revolution

At Dragonfly Energy, we're creating a new standard in green energy storage. Our team of USA-based battery experts works diligently to find new ways for you to get more out of your RV, boat, and off-grid system. Quality isn't only a standard but our highest expectation, and our in-house team of Technical Sales Specialists is always a call away and ready to help design your ideal lithium power system.

Make the switch *from* lead-acid, make the switch *to* lithium!



## Batteries

Dragonfly Energy offers a full line of lithium-ion deep cycle batteries for 12-volt, 24-volt and 48-volt systems, the ultimate replacements for traditional lead acid batteries and relief of battery anxiety... Lead Is Dead. Implementing the latest technologies and producing products with efficiency, safety, and performance in mind, our LiFePO4 batteries are designed to keep you out there longer, wherever that might be.

## Technical Support

Dragonfly is not only revolutionizing the industry in green energy storage, but in technical and sales support too. Our in-house team is here to provide an extraordinary customer experience, lifetime support, and valuable resources and information to make your switch to lithium exactly the way you envision.

## What Makes Dragonfly Different?

When you replace your traditional lead-acid battery with a Dragonfly Energy lithium-ion battery, you can expect a few things—5,000 to be exact. Each Dragonfly Energy LiFePO4 battery is capable of 3,000-5,000 charge cycles\*, is lighter in weight and is equipped with an internal Battery Management System (BMS) to protect your battery and its longevity.

\* Under most usage scenarios, after 3000 - 5000 cycles, approximately 75% of battery capacity remains.

**Dragonfly Energy researches, designs, and assembles the most advanced deep cycle lithium-ion batteries in the world. Get in touch for partnership, wholesale, and distribution opportunities today!**

**Questions? Call 775-622-3448 or email us at [info@dragonflyenergy.com](mailto:info@dragonflyenergy.com)**