



A BOATER'S GUIDE TO CHOOSING THE RIGHT BATTERY



ABYSSBATTERY.COM

TABLE OF CONTENTS

P2

PART ONE
**UNDERSTANDING
YOUR BOAT'S
POWER NEEDS**

P8

PART FIVE
**WHAT REALLY
SETS ABYSS
BATTERIES APART**

P4

PART TWO
**TROLLING MOTOR
POWER + RUNTIME
ESSENTIALS**

P11

PART SIX
**WHY BOATERS
TRUST ABYSS
+ REAL REVIEWS**

P5

PART THREE
**LITHIUM BATTERY
MYTHS + FACTS**

P13

PART SEVEN
**LET OUR
ABYSS TEAM
HELP YOU**

P6

PART FOUR
**WHY LITHIUM
IS THE FUTURE
OF BOATING**



AVOID THE HEADACHES OF UNDERPOWERED SETUPS

What You Need to Know

Choosing a marine battery isn't always straightforward—but it doesn't have to be complicated either. **The goal is simple: pick the battery that can power your boat, for your kind of trips, without leaving you short or stuck replacing it too soon.**

At Abyss Battery, we've seen the full spectrum—boaters who overspend on capacity *they'll never use*, and others who underpower their setup and pay for it with frustration on the water. **This guide is here to help you find the right balance.**

UNDERSTANDING YOUR POWER NEEDS

STEP 1: KNOW WHAT YOU'RE POWERING

Make a list of every device or system you'll run off your battery, such as:

- Trolling motor
- Fish finder
- GPS
- Lighting systems
- Sound systems
- Refrigeration or live wells
- Bilge pumps

From there, calculate the **total amp draw** and estimate **how long** you typically use each device per trip.

Not sure where to start? You can always **reach out to us for help** calculating your power needs. When in doubt, it's wise to choose a slightly higher capacity—especially if your trips aren't always predictable.

STEP 2: UNDERSTAND YOUR BOAT'S ELECTRICAL SYSTEM

- **System Voltage:** Is your system 12V, 24V, or 36V? Your battery choice needs to match.
- **Compatibility:** Will the battery work seamlessly with your motor, electronics, and onboard charger?
- **Future-Proofing:** Planning to upgrade your trolling motor or electronics later? It's often worth preparing now with a system that can grow with you.





STEP 3: MATCH BATTERY SIZE TO HOW YOU USE YOUR BOAT

Here's a simple way to think about it:

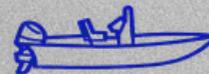
- **Casual Day-Trippers:** Short outings with light electronics? A smaller capacity battery *might* be enough.
- **Weekend Anglers:** Longer days with heavier power use? Consider higher capacity or multi-battery setups.
- **Offshore & Extended Trips:** If you're running critical systems far from shore, go with the most reliable, high-capacity option you can justify. It's not just about convenience—it's about safety.



The
Everyday
Explorer



The
Offshore
Adventurer



The
Competitive
Angler

STEP 4: PLAN FOR THE UNEXPECTED WORST-CASE SCENARIO

Conditions on the water *change fast*—wind, current, and weather all affect how much power you'll need. That's why we suggest **building in a 20–30% safety margin** beyond your calculated usage. That buffer ensures you won't be caught short when conditions are less than ideal.

Common Mistakes We See Boaters Make

- **Basing decisions on price, not needs.** Cheap batteries can *cost more long-term* through replacements and lost trips.
- **Forgetting the accessories.** Lights, sound systems, and GPS devices can pull *more power than expected*.
- **Underestimating real-world conditions.** Your motor's max thrust might sound impressive—but how fast will that *drain* your battery against the current or wind?
- **Ignoring future upgrades.** If you might upgrade your electronics or motor later, plan for it *now*.

PART TWO

TROLLING MOTOR POWER AND RUNTIME ESSENTIALS

TROLLING MOTOR BATTERY GUIDE: ESTIMATED RUNTIMES

VOLTAGE	Motor Thrust	Typical Runtime @ 50% Power
12V	55 lbs	2-4 Hours
24V	80 lbs	4-6 Hours
36V	112 lbs	6-8+ Hours

Note: Actual runtimes vary based on motor speed, weather conditions, and amperage draw on trolling motor.

HOW TO STRETCH YOUR RUNTIME **WITHOUT** UPGRADING YOUR MOTOR

- **Use a high-efficiency lithium battery.** Lithium delivers *more usable power per charge* compared to lead-acid.
- **Monitor your usage.** The Abyss CRYSTAL™ X3 BATTERY MONITOR and Bluetooth app *track real-time power draw*, helping you manage energy throughout your trip.
- **Maintain consistent speed.** Rapid changes and max speeds drain power *fast*.
- **Keep your equipment maintained.** Corroded connections and aging motors can waste energy.



PART THREE

THE TRUTH ABOUT LITHIUM BATTERIES: MYTHS VS. FACTS

We've heard the same concerns from boaters for years—so *let's clear a few up:*

**"LITHIUM BATTERIES
ARE TOO EXPENSIVE"**

They do cost more upfront, but the lifespan is 8–10 years, compared to just 2–4 years for lead-acid. That means fewer replacements, less hassle, and real savings over time.

**"ARE THEY SAFE FOR
MARINE USE?"**

Abyss batteries meet or exceed strict safety certifications: UN38.3, UL, CE. Built-in safeguards are designed specifically for marine environments including fire suppression and fault detection.

**"I HAVE OLDER
EQUIPMENT—
WILL IT EVEN WORK
WITH LITHIUM?"**

Most setups are compatible with minor adjustments. And if your system needs more than a simple change, we can guide you through it.

**"WHAT IF I BOAT IN
THE COLD?"**

Abyss batteries feature integrated low-temp charging protection, so you're covered even in winter conditions.

**"AREN'T ALL
LITHIUM BATTERIES
THE SAME?"**

Not quite. Abyss batteries are exclusively designed for marine use which means they're built to handle saltwater, shock, vibration, and extreme temperatures—not all lithium brands can say that.



WHY PREMIUM MARINE LITHIUM IS THE FUTURE OF BOATING

The way we boat has *evolved*—and so have the power demands that come with it. Today's boats often run advanced GPS systems, sonar, sound systems, and trolling motors that *push the limits* of traditional batteries.

Lead-acid batteries simply weren't built for this. Voltage drop-offs, slow recharge times, and excess weight can limit both performance and enjoyment.

MARINE-GRADE LITHIUM BATTERIES LIKE ABYSS ARE DESIGNED FOR THESE MODERN DEMANDS:

- ✓ Consistent, *reliable power output* that doesn't sag under load
- ✓ Up to *60% lighter* than lead-acid for better fuel efficiency and boat handling
- ✓ Faster charging, so you *spend less time waiting* and more time on the water

LEAD IS DEAD

WITH A LIFESPAN OF 8-10 YEARS VERSUS 2-4 FOR LEAD-ACID, INVESTING IN LITHIUM IS LIKE FUTURE-PROOFING YOUR BOAT FOR A DECADE OF ADVENTURES.





**A SMARTER POWER CHOICE—
FOR YOU AND THE ENVIRONMENT**



FEWER REPLACEMENTS, LESS RAW MATERIAL

Choosing a longer-lasting battery isn't just better for your wallet—it's better for the environment. **Fewer replacements** mean fewer batteries ending up in landfills, and **less raw material** consumed over time.

ENERGY-EFFICIENT, LESS CHARGING, MORE POWER

Abyss lithium batteries are more energy-efficient, requiring less frequent charging and maintaining power more effectively. If you're someone who enjoys the outdoors, it makes sense to invest in a solution that supports the health of those environments *for years to come.*



Easier
Installs



Faster
Charging



System
Protection



Smart
Accessories



Time
Savings

THE ABYSS BATTERY ADVANTAGE

**ABYSS IS PEACE OF MIND, BUILT IN.
MADE FOR SAFETY. BACKED BY SUPPORT.**

- ✓ **Certifications that matter:** UN38.3, UL, CE
- ✓ **Safety at the core:** Multi-layer protections against overheating, overcharging, and short-circuiting
- ✓ **Warranties that back you up:** Because buying quality should come with long-term confidence
- ✓ **Expert support:** Not sure what's right for your setup? Our team is here to help.



Every Abyss battery is backed by a warranty and a support team who's actually there to help.



MSDS



UN38.3





SAFETY ON THE WATER STARTS WITH THE RIGHT BATTERY

When you're miles from the dock, safety isn't just a feature—it's *essential*. That's why every Abyss battery is built to meet or exceed the **most stringent marine safety standards**, including **UN38.3, UL, and CE certifications**. These aren't just industry checkmarks—they're your assurance that every battery is **tested to endure saltwater corrosion, constant vibration, and wide-ranging temperatures**.

Inside every Abyss battery, you'll find **multi-layer safety protections**, such as:

- Built-in fire suppression systems**
- Thermal management to prevent overheating**
- Electrical fault detection and safeguards**

These features don't just exist to meet compliance—they're designed to give you peace of mind on every trip, no matter how remote or rugged your adventure.

SMARTER POWER FOR A BETTER BOATING EXPERIENCE—DESIGNED FOR REAL BOATERS

FEATURE	ABYSS LITHIUM	LEAD-ACID SYSTEMS
Lifespan	✓ 8-10 Years	2-4 Years
Runtime	✓ Longer + Consistent	Inconsistent Power
Safety Certs	✓ Yes (UN38.3, CE)	Limited or None
Weight	✓ Up to 60% Lighter	Heavy, Bulky
Maintenance	✓ Zero Maintenance	Frequent



ALL BOATERS NEED POWER THEY CAN COUNT ON

- **Recreational boaters** who want simple, reliable power
- **Tournament anglers** who can't afford a power loss mid-competition
- **Offshore adventurers** who need confidence miles from shore
- **Families** who don't want a dead battery cutting the day short



WHY SMART BOATERS TRUST ABYSS LITHIUM

Smart boaters aren't just looking for the *cheapest* option—they're looking for power systems they can depend on. **Abyss batteries aren't just tested in labs—they're proven in the real world, by boaters who've made the switch and never looked back.**

Many customers come to us after frustrating experiences with lead-acid systems—dealing with sudden failures, power loss mid-trip, or unreliable performance.

Whether they were adding electronics, upgrading motors, or just tired of frequent replacements, the result was the same: **Reliable power, longer runtimes, and less stress on the water.**

Because Abyss batteries are engineered specifically for marine conditions, boaters know they're getting a solution that isn't just "*good enough*"—it's designed to deliver *every time*.

REAL BOATERS. REAL RESULTS.

- **Offshore anglers** have told us that upgrading to Abyss Lithium nearly doubled their time on the water—eliminating frustrations from batteries that used to cut trips short.
- **Tournament fishermen** rely on Abyss to power them through long days of competitive fishing, with no performance drop-offs even under tough weather and current conditions.
- **Family boaters** share that since switching, they spend less time thinking about power—and more time focusing on the experiences that matter, whether that's fishing, tubing, or just relaxing away from shore.

These aren't hypotheticals. They're real stories from boaters who wanted a better, more reliable power system—and *finally got it*.



WHAT ABYSS BOATERS ARE SAYING... REAL CUSTOMER REVIEWS



LIGHTWEIGHT AND RELIABLE! THE PHONE APP IS INCREDIBLE. YOU CAN CHECK YOUR BATTERY LIFE AND ALL THE CELLS, FUNCTIONS, AND THE LIFE SIGNS OF THE BATTERY. I CAN NOW RUN A 36 V TROLLING MOTOR ON MY AIRBOAT AND NOT HAVE THE WEIGHT FACTOR ANYMORE. ABSOLUTELY INCREDIBLE!

Capt. Blair Wiggins
Blair Wiggins Outdoors



I'VE BEEN A FISHING GUIDE IN FLORIDA FOR 25 YEARS. EVERYTHING THAT I DO ON THE WATER IS DIRECTLY TIED TO MY BATTERIES - FILMING A SHOW, FISHING A TOURNAMENT OR GUIDING SOMEONE TO THEIR FISH OF A LIFETIME. I NEED MY EQUIPMENT TO WORK. THAT'S WHY I'M AN ABYSS BATTERY GUY.



Capt. Mike Anderson
Reel Animals TV



I HIGHLY RECOMMEND ABYSS BATTERY TO EVERYONE I KNOW AND EVERYONE I MEET. THEY MAKE A SUPERIOR PRODUCT AND THEY CERTAINLY STAND BEHIND THEIR PRODUCTS WITH THE BEST WARRANTY IN THE BUSINESS.

Capt. Rick Murphy
Florida Fishing Insider Report



GET READY TO EXPLORE SMARTER WITH POWER THAT KEEPS UP

We're happy to help you size the right battery for your boat and your adventures. ***Reach out to us any time*** for personalized guidance, product recommendations, or just to get your questions answered.

We'll never try to sell you something you don't need!



[SHOP](#)

[ABOUT](#)

[HELP](#)

[BLOG](#)

[CONTACT](#)

**SPEND MORE TIME BOATING,
LESS TIME CHARGING**





ASK US ANYTHING

PHONE:

1-855-719-1727

EMAIL:

INFO@ABYSSBATTERY.COM

ADDRESS:

1920 W BAY DR, LARGO FL, 33770



ABYSSBATTERY.COM

**BUILT BY BOATERS.
BACKED BY REAL WORLD EXPERIENCE.**