

# Lithium-Ion Battery Charging Best Practices

Bigblue Dive Lights uses the safest Lithium-ion batteries on the market today. They are specifically designed with protection circuits to the exact specifications of each light for maximum safety and output. Keep reading to learn more about Lithium-ion battery charging best practices you can apply to extend the life of your dive light!

Many of our customers choose aftermarket batteries, and the truth is, it's a bit of a gamble. There are hundreds of somewhat comparable Lithium-ion batteries on the market but unfortunately, **they are not all created equal.**

The biggest problem, (aside from the obvious safety issues), is that they may be slightly shorter in length, **causing the contacts to be misaligned.** This will cause flickering, or in some cases, the light will not function at all.

## Bigblue Dive Lights – Battery Care & Best Practices:

- Fully charge before first use.
- Plug in charger before inserting the battery.
- Observe correct polarity. Red light = Charging. Green light = Fully charged. Remove battery.
- Avoid letting batteries drain completely
- Do not turn light on if fully discharged.
- Use only Bigblue Chargers
- Don't leave the battery plugged in once fully charged and don't leave the battery charging unattended, especially overnight.
  
- Keep batteries in a cool, dry place, away from extreme heat or cold which can reduce lifespan.
- Prevent dropping, puncturing or crushing batteries
- Remove battery if stored for a longer time.

Charge after each use. For long term storage store at min. 40% charge.

**Monthly charging recommended even if unused.**

## Safety Tips:

- Never leave batteries unattended while charging.
- Replace batteries annually and recycle old ones responsibly.
- Only use Bigblue batteries with Bigblue Dive Lights.
- Keep away from children and follow manufacturer specifications.

## Battery Charging Guide

For best practices, here is a list of suggested charge times for Bigblue Dive Lights batteries:

Battery Model	Charge Time
BATCELL18650	3-4 hours
BATCELL26650	5-6 hours
BATCELL32650	7-8 hours
BATCELL18650X4	2-3 hours
BATCELL18650X7	2-3 hours
BATCELL18650X4SUPREME	5-6 hours
BATCELL21700X4	2-3 hours