



## Mercury approved lithium batteries

Lithium-ion batteries have previously been restricted to house battery duties, catering to onboard electrical needs once the boat is at rest, while lead-acid batteries have handled the engines.

RELiON's RB100-HP lithium battery has been evaluated and it meets all the requirements for use as a starting battery with approved Mercury Marine outboards! Subscribe To Our Newsletter The latest insights on lithium battery technology sent straight to you.

Partial state of charge, known as PSOC, which is a killer of lead-acid batteries, does not affect the performance or battery life of a lithium battery. Sometimes batteries don't get fully charged, or they regularly operate in a partial state of charge. Either way, you can count on RELiON lithium batteries to live a long and productive life.

Mercury has given a tick to its entire current engine line-up using a lithium-ion cranking battery, breaking through the last barrier to using lightweight battery technology ...

However Mercury will support lithium under a specific condition... Quote from 2022, sales director David Newcomb &quot;To ensure they are safe to use, though, there's a catch - boat owners will need to buy the only starter battery approved to work with Mercury's engines, and specifically those from Mercury-owned battery group RELiON.&quot;

Starting to see more and more YT videos saying to use a LiFePo4 &quot;Starter Battery&quot; as a drop-in LA replacement and you're good. I even wrote a comment on one video that the system still needs an alternator protector like the Balmar APM-12 AND a smart alternator or a regulator but that it was still best to do an AGM starter battery than a Lithium house battery ...

RELiON lithium batteries are the ultimate clean energy. No gassing, no fumes, and no pollution. Enjoy reliable power, while protecting the environment, using these non-hazardous batteries. RELiON lithium batteries provide more power than lead-acid batteries and are typically half the weight. Boosting both performance and agility on the water.

-NO other engines approved at this time. Minimum Specs Required:-Chemistry/Format: Lithium IRON Phosphate designed for MARINE CRANKING USE.-Minimum Cranking Amps: 800A for 8 second minimum @ 20 Degrees F ... Mercury offers Battery Isolator Kits that &quot;permit&quot; the use of multiple batteries. That is intended to be accomplished by isolating ...

I have a 2010 Merc 250 Pro XS ser# 1B779001, and was thinking about changing the cranking battery to a lithium type. Currently I use a Gp 31 Lead acid that works really well but I have changed electronics on the boat and am currently running 2 graphs, 360 imaging, and target lock with FFS, and I think the battery is having a hard time keeping up.



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Javelinman wrote: ? Sat Sep 03, 2022 5:57 am Does anyone know what the issues are with Mercury saying no to lithium batteries. I've read the service bulletin and it seem intentionally vague. Says won't void warranty but also that they may not pay if they feel the battery caused issue. I currently running a Lithiumpro for about a year ...

M3110-S 12.8V 110Ah Lithium Ion Engine start Battery. This battery meets the Sept 19, 2022 Mercury specifications for a lithium-ion engine start battery. Compatible with all outboards and alternators; 40% more energy than a typical Group 31 AGM battery! 12.8V; 110Ah (1,410 Whr) 260 Reserve Minutes BCI Group 31 size, (13?L x 6.81? W x 8.43? T)

SN 2B376111 I just got off the phone with Mercury Marine and asked if it was ok to use a Lithium battery with my 300 Verado Pro. I mentioned that I know in the Operating manual it says to use an AGM and he says that's correct that is what they Recommend, but he said I can use what ever I want. He said the engineers recommend the AGM because they feel the ...

In addition to being an excellent choice for starting your Mercury Marine outboard engine, 12V Abyss Lithium Marine Batteries can also be used as a dual-purpose battery for powering other onboard electronics. Lithium batteries have a higher power density than lead-acid batteries, meaning they can deliver more power for a given size and weight.

Mercury recently released a bulletin regarding the use of lithium batteries for starting engines. The RB100-HP is the first battery to be evaluated and approved for use with select Mercury ...

This group 31, 12-volt, 100 amp-hour battery is the first lithium power-pack to be tested and approved for use with a wide range of Mercury Marine outboards, including the uber-potent 600-hp V12 Verado.. It's IP67 rated (submersible in up to 1 meter of water for up to 30 minutes) for dust and water protection, has six terminals instead of the usual two for easier accessory ...

Boosting both performance and agility on the water. Full power is available throughout discharge. Voltage does not drop like lead-acid. RELiON lithium batteries provide up to 10 times longer life than lead-acid batteries, and they still provide 80% of the rated capacity after 3,500 cycles.

Mercury Marine has approved the use of lithium starting batteries with certain Mercury models. The Mercury bulletin does not address a BMS disconnecting the battery in certain situations. Perhaps the Mercury charging systems are robust enough to not care (won't be damaged) if the battery becomes disconnected.

The RELiON RB100-HP was the first Mercury Marine approved lithium-ion starting battery and includes these product features: Six battery terminals versus the two on standard batteries, offering users more flexibility when connecting electronics to the battery. A flame retardant plastic case rated to UL94-V0



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Menomonee Falls, Wis. - RELiON Battery, a global leader in the development of lithium batteries, today announced the launch of its enhanced RB100-HP lithium battery, a Group 31 12V, 100Ah deep cycle lithium-Ion battery built for starting and cycling of marine and RV applications. "We are happy to offer users an enhanced version of our RB100-HP battery and ...

I have seen bulletins out about using Lithium Batteries on some newer Mercury Motors so I am asking if it is suitable to use a Lithium Starting battery on my older 2000 225 Optimax? ... Can you- Yes, Should you- NO. Lithium batteries aren't approved for use in Optimax motors. FeFanatic. View Profile View Forum Posts Private Message Member Join ...

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Power Your Aquatic Adventures. Cruisers, racers and anglers want to spend as much time on the water as possible. Long-lasting RELiON lithium iron phosphate (LiFePO4) batteries fit all types of watercraft and deliver the dependable power for everything you need, from punching your holeshot in competition to running your A/C at the dock.

Heard where Mercury may void the warranty for certain reasons when Lithium Starting/DP batteries are used. Would enjoy the extra amps for electronics and livewell, but don't want to hurt my Merc. Dwight B Semper Fi 2023 Ranger Z520R, Merc 250HP Pro XS, Lowrance HDS LIVE 12 Console and Bow Active Target, Dual 8ft Blade Series Power Poles, TH ...

This group 31, 12-volt, 100 amp-hour battery is the first lithium power-pack to be tested and approved for use with a wide range of Mercury Marine outboards, including the uber-potent 600-hp V12 Verado.

Been frustrated because you can't use lithium-ion as a cranking battery for your Merc? Now you can Mercury has given a tick to its entire current engine line-up using a lithium-ion cranking battery, breaking through the last barrier to using lightweight battery technology throughout a boat.

Have a 250 4 stroke and 4 12 Lowrances with active target.. Right now its all running off an interstate 31acid(was that way when I bought it)... with all graph"s running, drains down battery in no time.. and unable to start big motor....what lithium battery and what size would you recommend for a starting battery with all electronics running off of one..I know some ...

This is a Dual Purpose Cranking / Deep Cycle Lithium Marine Cranking Battery Comparable to 900 cranking amps This battery can be used as a starter battery for 25hp to 300hp, Yamaha, Mercury, Suzuki and Evinrude Motors Proprietary Battery Management Systems (BMS) with power terminal cut-off and recovery Built in cold weather protection - Does not take a charge if ...



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The ABYC has ratified standard E-13 covering the installation of lithium batteries on boats. E-13 replaces TE-13, a technical note that provided a preview of the direction the ABYC was headed with the standard. But, not having an approved standard for lithium battery installs presented some challenges.

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