

Safety & handling instructions

Radinn Batteries

Radinn
Output: 50.4 V  200 A



The Radinn jetboards are very powerful and demand an extremely powerful power source. That power source needs to be handled with the utmost care and respect.

Follow these steps for battery handling and you'll have a great time with our products.

Damaged batteries:

1. **Do you suspect that a battery could be damaged in any way?**

For example if it has been exposed to impact e.g. dropped or if it has been bumped into. Visual tells of this could be that the shell is cracked or dented. Another example of battery damage is if the connector has been exposed to water and/or the connector got burnt by short-circuit.

If any of the above mentioned damages has been detected the battery shall not be used again.

Important: Contact Radinn's customer support immediately for further instructions.

2. **Do you experience an abnormal temperature increase on the outside of the battery case?**

After riding for a while the battery will get warm. This is normal. But if you suspect that it's above the normal usage temperature, please place the battery in a well ventilated and cool place. Preferably outdoors. It should not be in direct sunlight and make sure that it is a place where nothing and no one will get harmed if the battery starts to burn.

If the temperature sinks within 30 minutes (depending on the temperature of the surroundings) the battery is good to use as normal again. **If the temperature doesn't sink, keep the battery under monitored quarantine in an above mentioned environment for 5 days. The battery is to be considered as severely damaged. Please contact Radinn on how to proceed.**

3. **Always treat a defective/damage battery as a potential dangerous goods.**
Important: Contact Radinn's customer support immediately for further instructions if you suspect defects and/or damages.
4. **Never turn a damaged battery upside down or lean it on its sides.** Leave it facing upwards. In the same position as when it is mounted in the board.
5. **Do not store the damaged battery in places where it can cause a fire if you suspect that a thermal runaway (severe battery malfunction) could occur.**
Important: Contact Radinn's customer support immediately for further instructions if you are hesitant on where and how you can store a damaged battery.
6. **Never try to charge or use a damaged battery.**
7. **Do not ship or transport a potentially damaged battery without consulting Radinn.**

Using, charging and storing your batteries:

8. **To optimize your battery's performance and to maximize its lifetime.**
Before first usage, balance the battery by fully charging it with the standard charger.
Our recommendation is to then fully charge the battery using the standard charger at least once every two months. This procedure is for balancing your battery and will greatly effect your battery's performance.
Check regularly that your battery is balanced.
This is done by connecting the battery to the Radinn app and checking the Battery diagnostics page. If the charging levels of the cells shows a deviation of more than 0.1V/cell it's time to balance your battery.
9. **Always monitor the charging of the battery.**
10. **Never disconnect and stop charging if the charging isn't completed.**
This can shorten the lifetime of the battery and impact the performance of it

in a negative way.

11. **If the battery at any time emits smoke or a burning smell. Exercise extreme caution and contact Radinn immediately.**
12. **Do not heat beyond 40 °C/104 °F, or below 10 °C/50 °F.**
13. **Do not break open or disassemble.**
14. **Do not at any time submerge or expose the battery to water or other liquid.**
15. **Always use the protective connector cover when the battery isn't being used.**
16. **Always disconnect the battery from the board for transport and/or when not intending to operate the jetboard.**
17. **Only connect/disconnect the battery to/from the board when it's not exposed to water or other liquid.**
18. **Only charge in dry areas with safe distance from water or other liquid.**
19. **Always store the battery in a dry location with room temperature (15–28 °C/59–82 °F).**
20. **Long time storage.**
Always fully charge your battery before storing it. Then charge the battery once every two months.

Contact info to Radinn's customer support:
support@radinn.com