



Skadi Battery Care and Troubleshooting Guide

Keep your Skadi Series™ GNSS receiver performing at its best with this streamlined Skadi battery care and troubleshooting guide, designed for users of Skadi GNSS receivers. This reference guide covers essential Skadi battery maintenance and troubleshooting, including best practices for storing and charging your battery, optimizing Li-Ion battery performance, and ensuring the consistent, long-term operation of your battery. Follow these maintenance practices to extend your battery life and reliability. Still need help after reading the guide? Don't hesitate to [contact our technical support team](#).

Skadi Battery Care & Maintenance

Familiarize yourself with the below best practices to ensure long-term high performance of your Skadi battery:

Category	Topic	Recommendation
Battery Storage	Battery Removal	Always remove the battery from the Skadi GNSS receiver or handle for long-term storage.
	Long-Term Storage Charging	Recharge batteries every 3 to 6 months during long-term storage. Maintain a minimum of 40% charge at any given time.
	Storage Environment	Store batteries in a cool, dry environment away from extreme heat or freezing temperatures.
Deep Discharge	How to Avoid	Leaving a depleted battery in the Skadi (even when powered off) will trigger an over-discharged protection state of the battery itself. To avoid this, always remove the Skadi battery before storage.
Moisture Protection	Best Practices	Do not expose batteries to water or excessive moisture.
Battery Warranty	Warranty Description	Skadi battery packs include a 90-Day Limited Warranty. Defects related to manufacturing will be covered under warranty. Note: Please contact Eos support for more details.
Battery Charging	Cables	Always use the Eos-supplied 20 Watts USB charger provided with your Skadi receiver. An Eos-supplied wall or vehicle charger is also acceptable. Third-party chargers might not provide enough voltage/current. Some third-party chargers might charge slowly or fail entirely to charge the Skadi battery.
	Temperature	Do not recharge a very cold or very hot Skadi battery. Always wait for the battery to reach normal room temperature before charging.

Troubleshooting

If you are experiencing any problems with your Skadi battery, please try the appropriate solution below. If you still need help, do not hesitate to contact Eos technical support. Before proceeding, ensure you have your Eos-supplied USB-C Skadi charging cable and 20-Watt USB-C Power Block Charger (USB-CHARGER-SKA):



Symptom	Cause	Solution	How to Avoid
Battery powers the Skadi, but fuel gauge LEDs do not turn on or show incorrect charge.	Battery entered a very low discharge state and was recharged. Fuel gauge requires re-initialization. The fuel gauge requires a re-initialization.	1. Ensure Skadi is OFF. 2. Insert battery. 3. Turn Skadi ON. 4. Fuel gauge will re-initialize.	Recharge immediately after use. Even when powered OFF, the Skadi consumes minimal battery. For long-term storage: fully recharge and remove the battery.
Battery does not power the receiver and LEDs do not light up.	Deep discharge below the minimum threshold triggered a protection mode and also reset the fuel gauge.	Perform a recovery (trickle charge): 1. Ensure Skadi is OFF. 2. Insert battery. 3. Connect Eos 20W USB charger. 4. Power ON Skadi. 5. Confirm red charging LED and at least one fuel gauge LED. 6. Charge for at least 30 minutes. Tip: Turn OFF device for faster charging after initial recovery. Scan the code or click this link to watch a video on reviving your battery: 	Recharge battery immediately after use. Avoid leaving battery installed during long-term storage. Always store fully charged.

Symptom	Cause	Solution	How to Avoid
Battery charges slowly or does not fully charge.	Incorrect or low-power USB charger used.	1. Use Eos-supplied 20W USB charger. 2. Alternatively, use an Eos Arrow receiver power supply via DC jack.	Always use the recommended 20W Eos USB charger.
Skadi shuts down during a battery swap (hot swap).	Backup battery is low or not charged.	Update Skadi Manager firmware to version 0.0.15 or higher. If not updated, charge using the Eos 20W USB charger.	Keep firmware updated to version 0.0.15 or later.

Contacting Eos Technical Support for Further Information

If you have any other questions pertaining to your Skadi battery, please do not hesitate to contact our team online: <https://eos-gnss.com/technical-support>. Providing the following information will allow us to quickly support you:

- Skadi serial number (check Skadi label)
- Skadi battery revision: Locate your battery revision number on the Skadi battery label. Here is an example of where the revision is located:



- Core and Master Firmware versions (find this in Eos Tools Pro)
- Description of LED behavior
- Charging behavior observed

Last updated July 2026