LONG-TERM & WINTER STORAGE CHECKLIST

LONG-TERM STORAGE SUMMARY

Proper long-term storage helps prevent the battery from becoming deeply discharged while it is out of service. Before storage, charge the battery, disconnect it from the charger, and remove it from equipment or electrical loads that could continue drawing power. Store the battery in a dry location between 40°F and 95°F (4°C to 35°C), away from direct sunlight and heat sources. Dakota Lithium documentation indicates an expected self-discharge rate of approximately 3% to 5% per month and recommends inspecting and recharging the battery every two months. Do not leave the battery connected to a float charger or battery maintainer. Before recharging, confirm that battery temperature is above 32°F (0°C). A fully charged 12V LiFePO4 battery will typically have a resting voltage of approximately 13.4V after charging and after voltage has stabilized.

Customer Name: _____ **Battery Model / SKU:** _____

Serial Number: _____ **Date Placed in Storage:** _____

BEFORE STORAGE CHECKLIST

- ☐ Before removing or disconnecting the battery, disconnect or disable the PV array first. The PV array must not remain connected or attempt to supply charging power while the battery is being removed or disconnected.
- ☐ Charge the battery before storage and store it well charged.
- ☐ Disconnect the battery from equipment and parasitic loads that could slowly discharge it.
- ☐ Store the battery in a dry location, away from direct sunlight and heat sources.
- ☐ Maintain a storage temperature between 40°F and 95°F (4°C to 35°C).
- ☐ Do not use a battery maintainer for long-term storage.

IMPORTANT: DISCONNECT ALL CHARGING SOURCES

Note: Your vehicle or system may not have all of the charging devices listed below. Only address the charging sources installed in your system.

- ☐ Disconnect or disable every charging source before disconnecting the battery for long-term storage.
- ☐ Disconnect or disable the converter / converter-charger so it cannot attempt to charge after the battery has been disconnected.
- ☐ Disconnect or disable the inverter/charger so its charging function cannot attempt to charge after the battery has been disconnected.
- ☐ Confirm any other charger or charging source is disconnected or disabled before leaving the battery in storage.

EVERY TWO MONTHS DURING STORAGE

- ☐ Inspect the battery and storage area.
- ☐ Record the resting battery voltage and storage temperature. A fully charged 12V battery should rest at approximately 13.4V after voltage stabilizes.
- ☐ Recharge using a compatible Dakota Lithium or LiFePO4 charger.
- ☐ Do not charge if battery temperature is below 32°F (0°C).
- ☐ Disconnect the charger when charging is complete and return the battery to storage.

STORAGE MAINTENANCE RECORD

Inspection Date	Resting Voltage	Recharged?	Storage Temp.	Notes/Observations	Initials
	_____ V	☐ Yes ☐ No	_____°F / _____°C		
	_____ V	☐ Yes ☐ No	_____°F / _____°C		
	_____ V	☐ Yes ☐ No	_____°F / _____°C		
	_____ V	☐ Yes ☐ No	_____°F / _____°C		
	_____ V	☐ Yes ☐ No	_____°F / _____°C		
	_____ V	☐ Yes ☐ No	_____°F / _____°C		

IMPORTANT DISCLAIMER: This checklist is a general maintenance aid and does not replace the instructions, specifications, warnings, or warranty terms supplied with your battery or charger. Product requirements may vary by model, application, charger, battery age, and operating environment. Always follow the documentation for your specific product and use only compatible charging equipment. Do not use or charge a battery that is damaged, swollen, leaking, unusually hot, or otherwise abnormal; stop use and contact Dakota Lithium support. Storage and maintenance records do not guarantee battery condition, capacity, performance, or warranty eligibility. If this checklist conflicts with the product documentation, the product documentation controls.