

QUICK INSTALL & CARE GUIDE

1. Before you start

- Fully charge the battery to 100% before first use.
- Check the model and voltage match your system.
- Inspect case and terminals. Do not install if damaged.
- Wear eye protection. No sparks, flames, or smoking.

2. Mounting and wiring

- Mount upright where possible. Secure firmly to prevent movement.
- Provide ventilation for enclosed lockers.
- Keep away from heat sources and direct engine heat.
- Do not install inside closed boxes or containers.
- Connect positive first, negative last. Do not overtighten.
- Series or parallel banks must be same age and capacity.

3. Charger setup (AGM/Lead-Carbon profile)

- Absorption (bulk/boost): 14.4–14.6 V at 25°C.
- Float: 13.4–13.6 V at 25°C.
- Temperature compensation: about –18 mV per °C per 12 V battery from 25°C.
- Alternator charging: use a smart DC-DC charger for best life.

4. Using your battery

- For longest life, avoid routine discharges below 50% state of charge.
- Lead-Carbon tolerates partial state of charge better than normal AGM, but still charge to 100% at least weekly.
- Do not mix old and new batteries in the same bank.

5. Important: long-term float charging

- Extended periods on float can dry out AGM and accelerate grid corrosion.
- Best practice when on shore power or storage:
 1. Use a smart charger with a “storage” or “hibernation” mode that drops float or cycles off.
 2. If your charger allows, set float to the low end (13.2–13.4 V) and schedule a periodic absorption only.
 3. For seasonal lay-up, charge to 100%, isolate or disconnect the negative, and top-up monthly if resting voltage falls below 12.7 V.
- Avoid leaving the battery on a constant 13.6–13.8 V float for extended periods of time.

6. Safety and disposal

- Only use sealed AGM-compatible chargers and devices.
- Keep terminals clean and lightly greased.
- Recycle responsibly at your battery dealer.

Notes

- Voltage values are typical for 12 V AGM/Lead-Carbon at 25°C. Always follow your charger’s manual and any ratings on the battery label.
- Do not open or attempt to “top up” AGM batteries.