

AGM Batteries

If you have purchased a 2005 or newer Airstream trailer with a **solar package option** you probably are the owner of a Lifeline glass mat battery. Below is a listing of trailer size and standard batteries and battery & size if you have the solar package option.

All Classic Airstream Trailers

STANDARD---- 2 each group 27 lead acid batteries

With solar package option----- 2 each group 27T AGM Batteries

16 Ft. International Airstream Trailers

STANDARD----- 1 battery group 24 lead Acid Battery

With solar package option----- 1 group 24T AGM Battery

All other Internationals

STANDARD---- 2 each group 24 lead acid batteries

With Solar Package option----- 2 each group 24T AGM Batteries

All Safari Trailers

STANDARD---- 2 each group 24 lead acid batteries

With Solar Package option----- 2 each group 24T AGM Batteries

What is an AGM Battery?

AGM stands for (Absorbed Glass Mat) and is the material used in high end RV and Marine batteries to separate the lead plates. AGM also is useful as its capillary action qualities provide abundant acid contact to the lead plates under extreme vibration, g loads, inverted installations, and more. AGM material simply allows some Marine Batteries to outperform those without due to its ability to suspend the plates in the sulfuric acid necessary to hold, charge, and discharge marine batteries.

Lifeline Battery Part Number	Volts	Overall Dimensions in inches			Weight		Cold Cranking Amps (Fahrenheit)			Rated Cap. Amp. Hrs 20 Hr Rate	Minutes of Discharge in Amps		
		Length	Width	Height	lb	kg	68°	32°	0 °F		25	15	8
GPL-24T	12v	11.13	6.77	9.25	56	25.5	800	680	550	80	149	259	524
GPL-27T	12v	12.01	6.60	9.25	65	29.5	845	715	575	100	186	324	655

The AGM Battery difference for solar:

- 20% faster recharge than a conventional vented battery and gel cells. (Handles deep discharges better than conventional battery, a frequent occurrence when boon docking.)
- Deep Cycle (thick positive plates to provide real deep cycle performance)
- Best charge retention (especially against flooded cell types)
- 100% maintenance free. No addition of water needed - Designed to reduce out gassing under normal charging conditions.
- Fastest recharge. (No current limitations with voltage regulated recharging)

Battery Storage:

The following recommendations may be helpful if the battery is to be stored:

1. Fully charge the battery before putting it in storage. Store in a cool place if possible.
2. When storing the battery in a vehicle or vessel, it is not necessary to leave it on charge. Disconnect the negative battery cable. This will prevent inadvertent discharging of the battery that may lead to a complete discharge.
3. **Boost** charge the battery every 90 days to ensure maximum battery life.

Lifeline Testing Procedures

- For proper load testing of any battery make sure that they are fully charged. A fully charged battery should be >12.8 volts.
- A typical load test should be 3 times the amp hour for 15 seconds. At the end of 15 seconds the voltage of the battery should stay above 9.6 volts.
- If the battery cannot reach a fully charged voltage (>12.8 volts) they will need to be equalized.
- Equalizing is a procedure that will get rid of sulfation build up on the battery plates caused normally by undercharging. It could also be caused by being left in a discharged state for an extended period of time.

Did you know that:

More batteries are damaged and prone to premature failure due to improper charging and overcharging than by any other means. If batteries are charged at a constant amperage and low voltage, charging time is significantly longer and battery capacity is effectively reduced because the battery is never completely recharged.

To avoid this, many individuals opt for a higher charging voltage which accelerates the rate of charge but can ultimately harm the battery if the charge is continued for any length of time after the battery reaches capacity. The best charging solution is a multi-stage charge regulator that keeps recharging time to a minimum (higher voltage) but prevents battery damage caused by overcharging (automated charge regulation).

Lifeline has been the leading name in AGM (Absorbed Glass Mat) batteries for the marine and RV industry since 1993. The quality and durability of the Lifeline battery series has been proven again and again in military and commercial applications worldwide.

If there is any questions or concerns regarding Lifeline batteries, charging or test procedures please call Lifeline Batteries @ 1800-527-3224 M-F 8:00 am – 4:30 pm PST. **Lifeline Batteries – 955 N. Todd Avenue – Azusa, California 91702 – 800527-3224**