

TurboStart® BATTERIES



12V BATTERY INSTRUCTIONS

Congratulations! You've made the right choice with your purchase of a quality TurboStart® Performance Product for your vehicle. You have joined thousands of other satisfied performance enthusiasts, engine builders, chassis builders and professional race drivers that rely on the TurboStart® brand name.

TurboStart® is committed to bringing you the highest quality battery systems available, but we also stand behind our product. Customer service is just as important as performance at TurboStart®, which is why we have an excellent core of technicians ready to help you with any product recommendations, installation questions or any other questions you may have about your TurboStart® product.

12V Battery Specifications

Part Number	Length	Width	*Height	Weight	CA @ 32° F	CCA @ 0° F	RC @ 25 amps	Ah	Max Charge Voltage	Cells Per Battery	Terminals
S12V680	7.13"	2.99"	6.58"	13.75lbs.	370	235	28	20	14.4	6	M6 Bolt-in
S12V925	6.54"	6.89"	4.92"	22.18lbs.	641	425	48	32	14.4	6	M6 Bolt-in
S12V975	7.84"	5.29"	6.68"	26.68lbs.	604	440	50	43	14.4	6	M6 Bolt-in
S12V1200	7.76"	6.54"	6.69"	34.99lbs.	740	600	80	55	14.4	6	M6 Bolt-in
S12V3465	10.24"	6.89"	7.01"	49.91lbs.	1150	850	135	80	14.4	6	M6 Bolt-in
S12V31125	12.99"	6.81"	8.66"	78.31lbs.	1565	1330	273	127	14.4	6	M6 Bolt-in

Mounting Position

AGM Series batteries can be mounted either parallel or perpendicular to the frame rails. If you are running a dual battery set-up, make sure that the batteries are hooked up in PARALLEL (positive post to positive post and negative post to negative post). The AGM Series battery does not require the use of a vent outlet tube.

CAUTION!!! TAKE ALL POSSIBLE PRECAUTIONS TO NOT ARC THE TERMINALS OR TOUCH THE POSITIVE POST AT THE SAME TIME WITH ANY METAL OBJECT AS THIS COULD CAUSE INTERNAL BATTERY DAMAGE! ALWAYS WEAR SAFETY GLASSES, GLOVES, AND PROTECTIVE CLOTHING WHEN SERVICING OR INSTALLING A BATTERY!

"Bolt-In" Terminals Design

The TurboStart® AGM Series 12 volt battery features a Bolt-in terminal design, allowing the use of a low profile eyelet style lug terminal at the battery connection. Also available are positive and negative brass SAE top-post adaptors, or stud adaptors that can be threaded into the bolt-in terminals on the top of the battery when using standard SAE, or other style battery terminals. Whether using the stud adaptors or the brass top post adaptors, the tightening torque should never exceed 8 ft-lbs max!

IMPORTANT: OBSERVE POLARITY CAREFULLY WHEN CONNECTING THE BATTERY CABLES.



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Charging the AGM Series 12 volt battery

Over-Charging will damage and shorten the life of an AGM battery. AGM batteries are designed for use with AGM battery chargers with a MAXIMUM output voltage of 14.4v for 12v batteries. Voltage above this will cause the battery to "gas" and once oxygen is vented it cannot be restored.

Under-charging AGM batteries is equally damaging to the life of the battery. Take special care to ensure that the battery is properly charged before the initial use by verifying the open circuit voltage is above 12.6v for 12v batteries. Improper charging can cause damage that is permanent and WILL VOID THE WARRANTY.

Our NEW 12v SMART CHARGER (PT#CHG15A12V) is preset to ensure a safe charge every time or the NEW fully adjustable 12v/14v/16v SMART MULTI-stage charger (PT#CHG25A) with built in SMART processors which will eliminate over charging issues. All TurboStart® chargers have a built in "float mode" to ensure that the charger will not over charge the battery and keep it fully charged until you are ready to use it. If you are unsure if your charger is AGM compatible, please contact TurboStart Tech Support Department at 865.394.6535, or email us at info@turbostart.com for more details.

WARNING/SAFETY Precautions

Warning: Lead-acid batteries of all designs produce explosive gasses.

Therefore:

- Never smoke when around a battery.
- Never weld or otherwise produce sparks around a battery.
- Do not allow tools or other metal objects to fall across the battery terminals- this will short circuit the battery.
- Always wear protective clothing and eye wear when servicing a battery.
- Sulfuric acid can cause severe burns. If acid comes into contact with your skin flush with water immediately. If acid comes in contact with your eyes, flush immediately with water for fifteen minutes and seek medical help promptly.
- Neutralize acid spills with baking soda and water.

Keep all batteries out of reach of children.

California Proposition 65 Warning: Batteries, battery posts, terminals, and related accessories contain lead and lead compounds, and other chemicals known to the State of California to cause cancer, birth defects, and reproductive harm. Wash hands after handling!

AGM Series "Off Season" Battery Care

The shelf life of a AGM battery is similar to that of a standard wet battery and, like a wet battery, we recommend that you give your battery(s) an overnight charge with the TurboStart® charger every 60 days of non use and prior to storing. The automatic feature built into the TurboStart® 12 volt charger will prevent overcharging the battery. The TurboStart® 12 volt SMART CHARGER is also a battery maintainer and can be left on the battery indefinitely during non use periods.

12 Volt Precautions

To eliminate the chance of electrical component failure when using TurboStart® batteries, the following precautions should be followed:

1. **NEVER START OR WARM UP THE CAR WITH THE CHARGER PLUGGED IN.** The excess voltage which is produced by the charger will feed through the system and could damage components such as electronics, etc.
2. **NEVER TRY TO PRINT OUT COMPUTER INFO WITH THE CHARGER PLUGGED IN.** This will provide false data.
3. This is a sealed battery. Do not attempt to remove the vent caps under the top label.
4. Sulfuric acid can cause severe burns. If acid comes into contact with your skin flush with water immediately. If acid comes in contact with your eyes, flush immediately with water for fifteen minutes and seek medical help promptly.
5. Neutralize acid spills with baking soda and water.
6. Keep all batteries out of reach of children.

Support

Our Tech Team and dealers will be attending NHRA, IHRA, PDRA, Dirt Track, other racing and specialty events. Call our Tech Department at 865.394.6535 for a schedule of events or like our Facebook page at www.facebook.com/turbostart for updates on events, promotions, and new products.

Technical Assistance

If you have any additional questions, please call our Tech Department at 865.394.6535 M-F 8:30AM - 5:30PM EST or email info@turbostart.com

Thank You!

We hope you enjoy the performance your new TurboStart® battery brings to your vehicle and again, thank you for choosing TurboStart®.