



**POWERSPORTS BATTERIES**

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**AP SERIES - DRY CHARGED AGM**

 *Kinetik*® | **AP SERIES**  
POWERSPORTS BATTERIES

# **Kinetik<sup>®</sup> AP SERIES POWERSPORTS BATTERIES**

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Before beginning installation, thoroughly read this entire instruction manual enclosed with your Kinetik<sup>®</sup> AP Series battery.

Always wear protective glasses and gloves, and be in a well ventilated area. As added safety precautions, have running water or an eyewash station nearby, and baking soda to help neutralize the electrolyte in case of spills. We also recommend having someone else nearby to assist in case of emergency. If electrolyte gets into your eyes, immediately flush with water. Do not put baking soda in your eyes. In the instance of skin or eye exposure, seek medical attention.

Always fill your battery on a flat work surface and as a safety measure, we recommend that you stand up when filling your battery. Never place the battery in your lap to fill. Electrolyte will damage clothes, surfaces and cause injuries.



## **Charging a Valve Regulated SLA Battery**

**BULK** charge should be at the rated voltage - for 6V battery, 7.3 ~ 7.4V: for 12V battery, 14.6 ~ 14.8V. The current of initial charge should not exceed 30% of rated battery capacity. Charging should stop when the charging current has become very small and has been stable for 3 hours. (The charging time should be around 15 hours).

**FLOAT** charge ( if your charger is equipped) should be at the following voltage - for 6V battery, 6.8V ~ 6.9V: for 12V battery, 13.6 ~ 13.8V. The charge current of FLOAT charging need not be controlled, as the battery is self-limiting at this voltage. Your battery can remain connected, in this stage, indefinitely.

**Full charge** - the battery should be removed from use for recharging to achieve a full charge when timely recharge is unavailable or the charging voltage supplied by the source is too low.

## Filling your Dry Charged AGM Battery

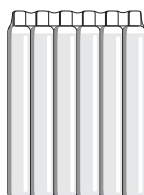
Please note the electrolyte temperature should not be more than 86°F when filling the battery. Room temperature is preferred.

The electrolyte is made with sulfuric acid, which can exude flammable gas. There should be no open flames or smoking while filling the batteries.

- 1 Remove battery and electrolyte pack from the Kinetik® AP Series battery box. Make sure the battery is in an upright position and remains so throughout the filling process.
- 2 This Kinetik® AP Series dry charged battery should come with the following: battery, electrolyte pack.

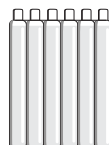


Battery



Electrolyte Pack

- 3 Remove the electrolyte pack from the box. Using scissors, remove the electrolyte pack from the clear plastic wrap being careful not to puncture the electrolyte pack.
- 4 Remove the foil sealer strip from the battery fill holes.
- 5 Taking care not to damage it, set the sealing plug strip aside. We will need it to seal the battery later. **DO NOT** remove silver foils. If the black sealer cap strip is damaged, please return the battery to the retailer. It is unusable.



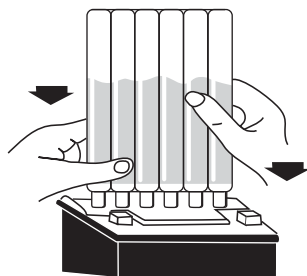
Foil sealer strip



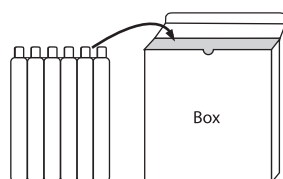
Sealing plug strip



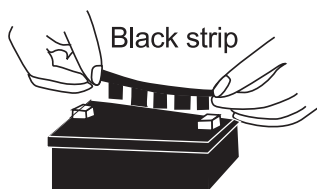
6 Tilting the electrolyte pack away from your the body, line up the six tips on the electrolyte pack with the six battery holes. Push pack down firmly into the holes piercing the seals and allowing the electrolyte to flow into the battery. Do not remove the electrolyte pack until it is empty. This may take several hours.



7 When all of the electrolyte has drained into the battery, remove the empty pack by tilting the pack toward the body. Place the empty pack in the box for disposal. **DO NOT** add further electrolyte or distilled water.



8 Using the black sealer cap strip set aside earlier, align it over the six exposed battery fill holes and firmly press it into position until the sealer cap is flush with the top surface of the battery



Check to see if there is any electrolyte visible on the battery. If so, neutralize with baking soda, rinse with water and wipe dry.

Properly dispose of the empty plastic electrolyte pack at a battery-recycling center near you.

**Always give your battery a full charge before use.**



## Installation and Maintenance Instructions

You have purchased a premium quality Kinetik® AP Series battery to install in your sport vehicle. In order to assure you get the best performance possible from your battery, UPG highly recommends these procedures:

- 1 Be certain the battery fitment you have chosen is the correct one for your vehicle. If you are in doubt, ask your battery salesperson for assistance.

**NOTE: Once a “dry charged” battery has been activated, it cannot be returned unless it is determined to be defective. Please be certain you have selected the correct battery for your vehicle.**

- 2 After you have performed all steps outlined for preparing your battery to be installed (such as filling, full charging before installation, etc.) please follow these steps for installation:
- 3 Examine the cavity in your vehicle where the battery is to be mounted. See that all debris, rust, dirt, or other foreign matter has been cleared.
- 4 Examine the vehicle cables and connectors for rust, corrosion, damaged insulation, or poor vehicle connection. Replace cables if needed, clean and tighten cable connections to the vehicle.
- 5 Insert the battery with the terminals facing as prescribed by the vehicle manufacturer. This will assure you will be connecting the vehicle's battery cables to the correct battery terminals.
- 6 Connect the (+) POSITIVE battery cable to the (+) POSITIVE terminal of the battery. Tighten the connection securely. Then connect the (-) NEGATIVE battery cable to the (-) NEGATIVE battery terminal. Tighten the connection securely. To test the connection, turn on your headlight, turn signal, brake light, or any other electrical device on the vehicle to confirm proper operation. Then start your vehicle to be certain all functions are correct.
- 7 IF all is satisfactory, then replace the vehicle battery covers and parts as they were removed.

# Maintenance

Sealed Lead-Acid batteries are most sensitive to charging procedure, and to over-discharge. To get the longest service life from your battery, please do the following:

- 1 NOTE: IF the Kinetik® AP Series battery you have purchased is either a “dry charged- sealed” or an “AGM”, it is very important that the cell plugs are never removed, nor any water ever added to a cell. Doing so will void the warranty.**
- 2** Some sport vehicles don't have a charging circuit to charge the battery. If this is describing your vehicle, then you must have an outside charger to charge your battery. Size the outside charger by dividing the Amp Hour capacity of your battery by 3. The result is the maximum current you may apply to the battery from the charger you intend to use. For example, if your battery is 9Ah capacity,  $\div 3 = 3$  Amps. The largest charger that can be used is 3A. Charge the battery after every use.
- 3** Sport vehicles that do have internal circuitry for charging the battery should have the function of that circuit tested once per year. This circuit is actually a vehicle system composed of the alternator, starter, vehicle electronics, and the battery. Any one of these components that fails to function properly can damage all the other components. The first thing to show damage is always the battery.
- 4** When storing your vehicle, please be aware that some sport vehicles have computer-controlled electronics on board that need electrical support. If the vehicle is stored without a means to maintain the charged state of the battery, the electrical drain could discharge the battery. If stored in high temperatures, the discharge occurs even faster. This could ruin the battery if left unattended. The alternative to a maintenance charger is to disconnect the battery for storage.



## Limited Warranty

Kinetik® warrants your unit to be free from defects in material and workmanship for a period of 1 year from the date of sale to the original user or purchaser with the exception of abuse or misuse. This warranty is non-transferable. If your unit malfunctions or fails within the 1 year period because of a defect in material or workmanship, we will replace or repair the unit. Replacement will be made with a new or remanufactured product or component. If the product is no longer available, replacement may be made with a similar product of equal or greater value.

This warranty excludes malfunctions or failure of your unit which were caused by repairs made by an unauthorized person, mishandling, modifications, normal wear, unreasonable use, or damage to the product.

This warranty is in lieu of all other express warranties. The duration of any implied warranty, including but not limited to any implied warranty or merchantability or fitness for a particular purpose, made in respect to your unit is limited to the period of the express warranty set forth above.

In no event shall Kinetik® be liable for consequential or incidental damages. Some states do not allow limitations on the length of implied warranty or the exclusion or limitations of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights, which vary from state to state.

If you have technical questions, please inquiries to **[technicalsupport@upgi.com](mailto:technicalsupport@upgi.com)**

### Warranty Process

Please contact your retailer or place of purchase for warranty service and instructions. A proof of purchase will be required.



**AP SERIES**



## THE ADVENTURE POWER® SERIES AGM

Maintenance free sealed technology requires no maintenance and will not leak. Lead- Calcium plates more than double the storage life. Factory sealed and ready to go right out of the box.

### V-TWIN

Specifically designed with rugged construction for the high heat and high vibration environment of V-Twin motorcycles.

### CONVENTIONAL

Full range of conventional batteries including Standard, High Performance, and Low Maintenance Conventional. Time tested technology that is reliable and affordable.

### PHANTOM® LFP

Ultra-Light, extreme-rate LiFePO4 cell technology weighs one fifth the weight of a lead-acid battery on average. Super fast recharge rate with a state of charge indicator. Environmentally friendly - just discharge and recycle.