



“Moist Dry” Batteries

The “Moist Dry” option is available to Dyno customers for those situations which the battery purchased is not expected to be put into service within six months of the date it is received. It addresses the need for an extended “shelf-life” when required.

The “Moist Dry” manufacturing process is identical to the manufacturing process of standard “WET” (or Flooded) battery, with a few additional steps:

- After the batteries complete formation charging, they are sent through the washing cycle and dried, to clean off any excess electrolyte prior to running standard product testing.
- Each battery is then visually inspected for imperfections.
- Each battery is then tested for functionality under exacting loads.
- Once quality assurance certifies functionality, the batteries are then returned to production at the acid-fill station, to evacuate the electrolyte.
- The acid is evacuated from each cell.
- Each cell is then stabilized by introducing an inert gas (NITROGEN) to prevent oxidation, and sealed. (This seal should not be removed until the end user is ready to activate the battery).
- Each battery is then washed and dried again.
- The batteries are then sent to shipping for labeling and packaging.

Following this method, the consumer receives a battery, ready for storage, with an extended shelf life. Cost add-on for “moist-dry”: \$3.00 per battery.

TO ACTIVATE THE BATTERY:

1. Remove each vent cap in order to introduce electrolyte.
2. Add electrolyte (standard battery acid with specific gravity of 1.265)
3. Allow a few minutes for electrolyte to activate the battery.
4. Take a voltage reading. (fully activated: 6V = 6.3volts, 12V = 12.6V)
5. If needed, top off the battery with a short charging cycle.

The battery is now ready for service.

Do's and Don'ts

- A. DO - Store batteries in a clean dry area.
- B. DON'T - prematurely remove the membrane seal to any cell.
- C. DO - Add only standard battery electrolyte (w/ specific gravity 1.265)
- D. DON'T - lose the vent caps.
- E. DO – pour electrolyte into the battery to 1/8” below the bottom of the filler well.
- F. DON'T - charge the battery for an extended time to activate it, unless warranted.
- G. DO - Only buy DYNO brand batteries for maximum performance and value.