The Better Battery Box

The most advanced design available for Golf Cart, 4D, and 8D Batteries

Top fastening hold-down system reduces installation time from hours to minutes

- Direct Restraint System
  The easiest installation of any box

- Straight Cable Entry Path
  No awkward bending of heavy cables

- Electrolyte Reservoir
  The battery is held away from spilled electrolyte

- Captive Hold-Down Fasteners
  No more lost nuts in the bilge

Material: High Density Polyethylene
Hold-Down Fasteners: 1/4" (not included)

4021 for Dual Golf Cart Battery
Outside
Width 14.25" 10.75"
Length 18.25" 14.75"
Height 13.50" 11.50"

4022 for Single 4D
Outside
Width 12.50" 9.00"
Length 24.50" 21.00"
Height 13.00" 10.50"

4023 for Single 8D
Outside
Width 15.00" 11.50"
Length 24.50" 21.00"
Height 13.00" 10.50"
Blue Sea Systems' battery box has been designed specifically to make installation as easy as possible. The mounting flanges on each corner of the box accept 1/4" fasteners. These may be stainless steel bolts where through bolting is possible or 1/4" stainless steel lag screws where through bolting is not possible.

The entire E-10.6. section of the American Boat and Yacht Council (ABYC) Standards and Recommended Practices for Small Craft is reproduced here to guide the installer in the proper installation of the battery box. Most of the requirements are met by the design of the battery box itself, but others must be complied with in the manner in which the box is installed.

**ABYC Standard E-10.6. Storage Batteries - Installation**

- Batteries shall be secured against shifting.
- Each installed battery shall not move more than one (1) inch in any direction when a pulling force of ninety (90) pounds or twice the battery weight, whichever is less, is applied to the center of gravity of the battery as follows:
  - Vertically for a duration of one (1) minute
  - Horizontally and parallel to the boat's center line for a duration of one (1) minute fore and one (1) minute aft.
  - Horizontally and perpendicular to the boat's center line for a duration of one (1) minute to starboard and one (1) minute to port.
- To prevent accidental contact of the ungrounded battery terminal to ground, each battery shall be protected so that metallic objects cannot come into contact with the ungrounded battery terminal. This may be accomplished by means of:
  - Covering the ungrounded battery terminal with a boot or nonconductive shield,
  - Installing the battery in a covered battery box, or
  - Installing the battery in a compartment specially designed only for the battery(ies).
- Each metallic fuel line and fuel system component within twelve (12) inches and above the horizontal plane of the battery top surface as installed shall be shielded dielectrically to protect against accidental short-circuiting.
- To avoid accidental contact between the ungrounded battery terminal and metal that is not damaged by electrolyte, a mounting means shall be provided that is made of a material that is not damaged by electrolyte.
- The mounting surface of components of the boat in the immediate vicinity of the battery location are of a material that is not damaged by electrolyte.
- Fasteners for the attachment of battery boxes or trays shall be isolated from areas intended to collect spilled electrolyte.
- A vent system or other means shall be provided to emit the discharge from the boat of hydrogen gas released by the battery.

**NOTES:**

1. Batteries shall not be installed directly above or below a fuel tank, fuel filter, or vent system.

2. Any nonconductive material may be used for shielding so long as it is durable enough to withstand removal of a battery. These protective devices are usually removed in order to connect the cables.

3. Terminal insulation covers do not conform with these requirements since during installation of a battery, these protective devices are usually removed in order to connect the cables.

4. Each metallic fuel line and fuel system component within twelve (12) inches and above the horizontal plane of the battery(ies) shall be shielded dielectrically to prevent accidental contact between the ungrounded battery terminal and metal that is not damaged by electrolyte.

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